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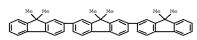
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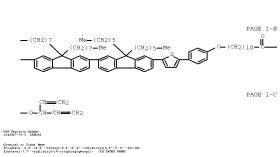
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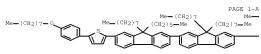
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Chemical or Trade Name 2,2':7',2''-Ter-9H-fluoreme, 9,9,9',9',9'',9''-h Name



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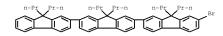
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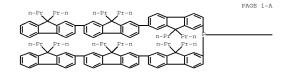
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Chemical or Trade Name
2,2':2',2''-Tar-9H-fluorams, 1-bromo-9,9,9',9'',9''-haxapropyl- (CR INNEX NAME)



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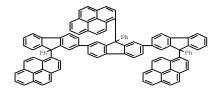
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EP 1754696	A1	20070221	EP 2005-741491	20050519
US 20060154076	Al	20060713	US 2005-282818	20051121
US 7504526	82	20090317		
KR 2007029107	A	20070313	KR 2006-706239	20060330
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CAS Registry Number 669016-16-4 CAPLUS

Chemical or Trade Name [2,2:3], 2:-Tac-99-fivorene[-7,3:-diamins, 9,9,9:,9:1,9:-basemethyl-N7,N7,N2:-,N7:-betrakis(4-methylphenyl)-(Ch. DOMX.NAME)

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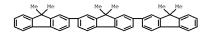
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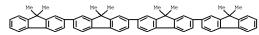
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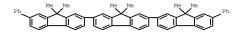
Chemical or Trade Name 2,2:77,2'-Ter-SH-Cluorene, 9,9,9',9',9'',9''-hexamethyl- (CA DIGEX RNOS)



Chemical or Trade Name
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Chemical or Trade Name 2,2':7',2'':Tar-9N-fluorams, 9,9,9',9',1 (9CI) (CA INDEX NAME)



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CAS Registry Number 677028-72-7 CAPUIS

Chemical or Trads Name
[2,2171,211771,2111711,21111-Quinque-98-fluorem]-911-one,
9,9,91,911,9111,9111,91111-octable(2-shylbsayl)- (SCI) (CA INOSX NAME)

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CAS Registry Number 074760-60-2 CAPLUS

Chant cal or Trade Name [2.8177.2"-Tex-98-flworen[-9'-one, 9.9.9",9"-behrakis(2-ebbylh) (SCI) (CA INDEX NAME)

CAS Pagistry Number 074740-71-7 CAPCUS

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CAS Registry Number 874748-70-6 CAPUS

Chemical or Trade Name
1,3,2-Dionahorolams, 2-[3,9,9',2',2'',9''-hazakis(2shtylhesyl)[2,2''],2''-her-9H-fluoren|-Pryl[-4,4,5,5-hebomeshtyl- (9CI)
(CA INDEX NAME)

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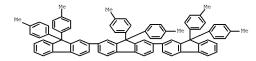
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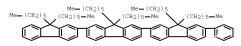


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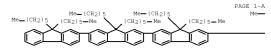
CAS Registry Number 871468-21-2 CAPCUS

Chemical or Trade Name
Pyridine, 2-(9.39',9',9'',9''-heasheayl[2.3':2'.2''-ker-98-Elworen[-7-yl](9CI) (CA INDEX NAME)



CAS Registry Number 071460-22-3 CAPCUS

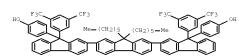
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Chemical or Trade Name
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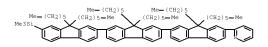


CAS Registry Number 069565-74-2 CAPCUS

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Phenol, 4.4"-[3.3""-bis]J,5-bis(kriflworoskhyl)phenyk]31,59,59,59,51,51"-bis(kriflworoskhyl)phenyk]31,59,59,59,51,51"-bis(kriflworoskhyl)phenyk]31-floorans[-3,3""-diyl]bis- (CAINGER NAME)

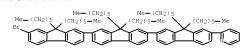
CAS Registry Number 669565-00-0 CAPUIS

Chemical or Trade Name
Poly(9, 3-dihay)-98-fluorans-2, 7-diyl),
0.0-bis[9-[4-(1, 1-dimethylathyl)phanyl]-9-(4-hydroxyphanyl)-98fluoran-2-yl]- (8C1) (CA INDE NAME)



CAS Registry Number 871468-27-8 CAPCUS

Chemical or Tools Here Pyridine, 2-(2"-brone-5,9,9',9',9'',9''-hazahazyl[2,2':7',2''-ber-9H-fluoras[-7-yl]- (SCI) (CAINGEX NAME)



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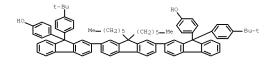
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CAS Registry Number 849222-41-9 CAMCUS

Chemical or Trade Name
Pherol, 4,4'-[9,9''-bis[4-(1.1-dimethylethyl]phenyl]-9',9'dibasyl[2,2':?',2''-bar-9H-floorans[-9,9''-diyl]bis-(9CI) (CA DMOX
NAME)



CAS Registry Number

CAS Registry Number 873371-56-3 CAMEUS

Chemical or Trade Marse Phasot, 4,4'-[(3,9,9',9',9',9')-hasshasyl[2,2':?',2''-tar-98-fluorana]-?,?''-diyl[bix(1-machylathylidana]|bix-(9CI) (CA INGEX MARE)

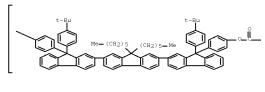
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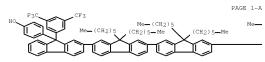
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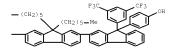
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CAS Registry Number 873371-59-6 CAPLUS

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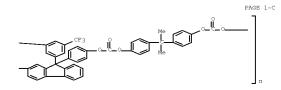
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PAGE 1-B Me- (CH<sub>2</sub>) 5 Me— (CH<sub>2</sub>) 5 (CH<sub>2</sub>) 5—Me — (CH2)5 (CH2)5-Me (CH<sub>2</sub>)5-Me

CAS Registry Number 873371-60-9 CAPUS

PAGE 1-A

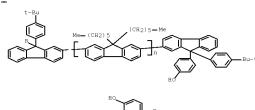
PAGE 1-B



CAS Registry Number 873371-63-2 CAPLUS

Churcuit or Tords Norm
Carbonshiredot excd. (1-mshbylathylidens)di-1,1-phenylane satar, polyme
with G.o-bisj-1,4-td.,1-dimeshylathyliphenyl.)-9-dihydroxyphenyl.38-filocend-yipoly(9,9-dihasyl-98-fluoran-2,7-diyi)
(CET. (Ed. 1008-1008)

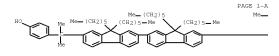
CID 889565-88-8 CMF (C25 832) n C58 850 O2 CCI PMS



CM 2 2 CEN 2024-00-6 CMF CL7 814 C12 OA

Churs call or Trade Mores Carbonochhordide and [1-mathylathylidana]di-4,1-phanylana axtar, polymer with 4,4:-[19,9,9',9'',9''-hazahaxyl[2,2'',''',2''-har-80-fluorana]-2,7''-diyl|bir|wethylithylidana||bir|phanol|| 9CI | CA DOBX NAME|

CEN 932357-26-3

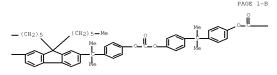


PAGE 1-B

Chesical or Trada News Dailysquarchinylosy-1,4-phenylana(1-methylathylidens)-1,4-phinylanencymothorylany-1,4-phenylana(1-methylathylidens)(3,9,7,9,7,9,7)-sheanahayl(2,2;17,2)-ter-98-fluorens[-7,7''-diyl(1-methylathylidens)-1,4-phenylana((9CI) (CA INGEN NREE)

PAGE 1-A

PAGE 1-B

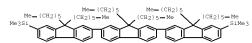


PAGE 1-C



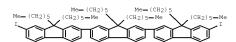
CAS Registry Number 065152-19-0 CAPCUS

Chemical or Trade Mere Blians. (9.5.9', 9') hazabanyl[2,2';?',2'' -ter-9H-Elworens]-7,7'' - dsylbinj[cimethyl=(9CI) (OA INGEX MAS)



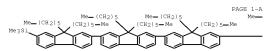
CAS Pagistry Number 865152-21-2 CAPCUS

Chemical or Trade Hamm 2,2117.21-Ter-98-Elworane, 9.9.91,91.31.911.hemehemyl-7,711-diiddo-(CA\_INGEN\_MMSE)



CAS Registry Number 065152-25-6 CAPLUS

Check call or Trade Name Silene. (9.9.9'.9'.9'.9'.9'.9'.9'.9'.9'.9'.9'.0'.9'...
deceheayi [2.2'.3'.2'.2'.2'.2'.2'.2'.2'...
deceheayi [2.2'.3'.2'.2'.2'.2'...
deceheayi [2.2'.3'.2'.2'.2'...
deceheayi [2.2'.3'...
deceheayi [2.2'.3'...]



## CAS Registry Number 865152-26-7 CAPUIS

PAGE 1-B

### CAS Registry Number 049222-49-7 CAPCUS

Chemical or Trads Name
Polyloxy/dipharyLsitylens|oxy=1,4=pharylans|9,9''-bis|4=(1,1disethylathyl)pharyl|-9',9'-diharyl[2,2'']'|2''-ker-98-Eluorens|-9,9''diya|-1,4=pharylans|(GCI) (GR INGEN NAME)

PAGE 1-A

PAGE 1-A

PAGE 1-B

# CAS Registry Number 869565-91-3 CAPUS

CEDH 849555-47-8

CM 2 CBN 434-90-2 CMF C12 F10

CAS Ragistry Number 069565-09-9 CAPLUS

Chunical or Trads Marss
Phanol. 4,4-[9,9"-bis[4-(1,1-dismthylathyl]phanyl]-9",9"dibayl[2,5",7",2"-bis=09Hefivorens[-9,9"-diyl[bis=-, polymer with
2,5-bis[4+fivorophanyl]-1,3,4-onadianols (SCI) (CA EXDEX NAME)

CPN 049222-4L-9 CMF CH3 H02 D2

## CAS Pagistry Number 869565-90-2 CAPCUS

Consects on Tanks Name.

Phyly 1. Laphane 19, 31 - Saly1-(1.1-dismals/saly2) phony(1.2\*,3\*-dismals/saly2) phony(1.2\*,3\*-dismals/saly

PAGE 2-A

PAGE 2-B

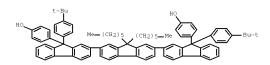
CAS Requirtry Number 069565-93-5 CAPUIS

CPM 2 CPM 175-12-2 CMF CL2 H12 Si

Ph—SiH2—Ph

CAS Registry Number 869565-94-6 CAPUS

CRD 849222-41-9 CMP C83 H82 G2



CM 3277-26-7 CMS 3277-26-7 CMS 54 814 0 512

Me2SiH-O-SiHMe2

CAS Registry Number 869565-95-7 CAPCUS

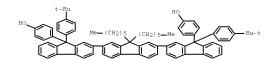
Chesical or Trade Name Soly L4-phreyLangle,  $S^1$ -bia; 4-(L1-dimethylathyliphanyl)= $S^1$ - $S^1$ -bia; 4-(L1-dimethylathyliphanyl)= $S^1$ - $S^1$ -dimethylathyliphanyl)= $S^1$ -digit[-1, 4-phreyLangley]+ $S^1$ -dimethyl-1, S-dimethyl-1, S-d

PAGE 1-B

CAS Registry Number 069565-96-0 CAPLUS

Chimical of Trads Marss
Phenol. 4,4-[9,9"-bis[4-(1,1-dimethylethyl)phenyl]-9",9"dihasyl[2,2"]7',2"-ber-9H-Thomese [-9,9"-diyl]bis-, polymer with
dichloromethems (SCI (CA INGEX MARS)

CRN 049222-41-9 CRF CH3 HH2 CR



CRN 75-09-2 CRN 75-09-2 CMP C N2 C12

C1-CH2-C1

CAS Registry Number 869565-97-9 CAPUIS

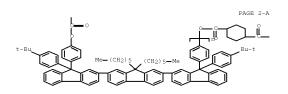
Chemical or Trade Nove Poly(), 4-phenyland  $[9,9^{\circ}-bix]A-(1,1-dimathylathyl)phanyl]-9^{\circ},9^{\circ}-dimayl[2,2^{\circ}-i^{\circ}-$ 

PAGE 1-A

PAGE 1-B

PAGE 1-A

PAGE 1-B





CAS Requistry Number 873425-38-8 CAPUIS

Chemical to Track News. Laboratory distribution, polymer with Laboratory distribution, polymer with  $4.4^{\circ}$  ( $+3.4^{\circ}$ ) ( $+3.4^{\circ}$ 

CFH 599-64-4 CMF CL5 H16 O

CM 4 CRN 13170-66-6 CMF C8 N10 C12 OR

OS.CITING PEF COUNT: 9 THERE ADE 9 CAPLUS PECOSOS THAT CITE THIS PECOSO (9 CITINGS)

se Anthony, Shang, Joseph John, Heller, Christian Maria Antony, Uz, Kyle Erik, Liu, Ye, Lewis, Lany Neil; Parfluranshiy, Qaudany, Duggal, Anii Raji, Simon, Qavid Anchew copicals Solaries cort Company, USA

English Patent Information

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20050256290	AL	20051117	US 2005-170423	20050529
US 7652126	82	20100126		
US 20050075473	AL	20050407	US 2003-600470	20031007
WO 2007005289	A1	20070111	WO 2006-US24113	20060621
EP 1907437	A1	20080409	EP 2006-773672	20060621
JP 2008545046	т	20081211	JP 2008-519397	20060621
KR 2008021711	A	20080307	KR 2007-730612	20071227
CH TOTALANA			CHI 2005 000240E4	20071 220

and control and interest composition of which from a Sectional companies according to companies of section process, and as the Section control of the Section and Association and Control of the Section and Control of the Section and Association and Control of the Section and Control of the Se

CAS Registry Number 849222-42-0 CAPLUS

Changed or trade Name Contact that  $(1,1-[0,0]^{-1})$  this [4,1]. Contact the same  $(1,0,1-[0,0]^{-1})$  this [4,1]. The same (1,0,1-[0,0]) this (1,0,1-[0,0]) is (1,0,1-[0,0]). The same (1,0,1-[0,0]) is (1,0,1-[0,0]). The same (1,0,1-[0,0]) is (1,0,1-[0,0]).

CM 2 CMN 25-44-5 CMF C C12 O

c1\_0\_C1

CAS Pagistry Number 049222-43-1 CAPCUS

Chiractal or Trade Marse
Poly(oxycarbonyloxy-1,4-phanylane(9,9''-bix|4-(1,1-dimathylathyl)phanyl|9',9'-dihazyl[2,2';'':'br-98-Eluorane(-9,9''-diyl|-1,4-phanylane|
(SCI) (CA INDEX MASS)

Chemical or Trade Name
Polyloxy(diphemylalylameloxy=1,4-phemylame[9,9"-bis]4-(1,1diseltylathyl)phemyl|-9",9"-dihemyl[2,2":?":2"-ber-9H-floorems|-9,9"dixeltyl=1,4-phemylame| (GCI (GCI TRUCK NAME)

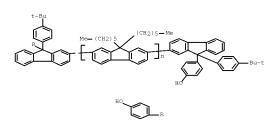
PAGE 1-A

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PAGE 1-B

CAS Requistry Number 069565-00-0 CAPUIS

Chursical or Trade News
Poly(8.4-4)hapj-199-Element-2, ?-85yl),
p.g-bis[9-[4-1], 1-4imas[7-194-Element-2, ?-85yl),
p.g-bis[9-[4-1], 1-4imas[7], 1-194-Pisper[1-9-(4-hydroxyphanyi)-98Historian-2-yi]- (CII) (CA INGEN NEWS)



CAS Registry Number 869565-89-9 CAPLUS

Chronical or Trada Norma Chronical or Lindson Dysinbyl phasyl  $=3^{\circ},3^{\circ}$  with  $(3,3)^{\circ}$  where  $(3,3)^{\circ}$  is the  $(3,3)^{\circ}$  of the  $(3,3)^{\circ}$  characteristic  $(3,3)^{\circ}$  of  $(3,3)^{\circ}$  characteristic  $(3,3)^{\circ}$  (CA DIDEX NAME) of  $(3,3)^{\circ}$  consists of  $(3,3)^{\circ}$  characteristic  $(3,3)^{\circ}$  characteristic

CAS Registry Number 869565-90-2 CAPLUS

Chemical or Trads Marss
Polyji, J. 4-casedianole-2,5-diyl-1,4-phenylemeoxy-1,4-phenyleme [9,9''-bis|4-(1,1-dimethylethyl)phenyl-3',9'-dihasyl[2,2']',2''-1-ke-9e-flooreme|-3,9''-diyl]-1,4-phenylemeoxy-1,4-phenylemen|-3,9''-diyl]-1,4-phenylemeoxy-1,4-phenylemen|-3,6''-diyl]-1,6''-diyl-1,4-phenylemeoxy-1,4-phenylemen|-3,6''-diyl-1,4-phenylemeoxy-1,4-phenylemen|-3,6''-diyl-1,4-phenylemeoxy-1,4-phenylemen|-3,6''-diyl-1,4-phenylemeoxy-1,4-phenyleme|-3,6''-diyl-1,4-phenylemeoxy-1,4-ph

PAGE 1-A

PAGE 1-B

CAS Registry Number 869565-91-3 CAPUIS

Chemical or Trefs New Press (1,11) (Winship) (abril) (Winship) (47: 97: Press (1,11) (Winship) (abril) (Winship) (47: 97: Press (1,11) (Winship) (47: 97: Press (1,11) (Winship) (47: 97: Press (1,11) (Winship) (47: Press (1,11) (Winship) (47: Press (1,11) (Winship) (47: Winship) (47

PAGE 2-B

CAS Registry Number 869565-93-5 CADUIS

Chemical or Trade Norm
Phonol, L. 1-19, 2: "help 1-11.1-of unthyliablyliphropil-1-1.9".

Phonol, L. 1-19, 3: "help 1-11.1-of unthyliablyliphropil-1-1.9".

Chemical of the che

CRD 849222-41-9 CMF C83 H82 G2

CRN 775-18-8 CRN 775-18-8

Ph-SiH2-Ph

CAS Registry Number 869565-94-6 CAPUIS

Chemical or Trade Name
Phanol, 4,4'-[9,9''-bir]4-(1,1-dimshtylathyl]phanyl[-9',9'-dihayl[2,2']7',2''-ker-W-Tlueren[-9,9''-diyl]bir-, polymer with 1,1,5,5-birtemethyldisionene (921) (CA DUGN NAME)

CMB C02 H05 C05 CMD 049555-67-8

CM 2 CRN 3277-26-7 CMF C4 H14 O Si2

Me2SiH-O-SiHMe2

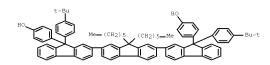
CAS Registry Number 869565-95-7 CAPLUS

Chimical or Teads Mores
Poly(1, 4-phenylans(0, 9''-bix|4-(1,1-dimathylathyd)phenyl|-9',9'dimay(1,2':'?,2''-bix-9i-floorans|-9,9''-diy|-1,4-phenylansox(1,1,3,3telecenthyl-1,3-dialocands(yl)ogy('0,1)(CA) DOMO(NMS)

PAGE 1-A

PAGE 1-B

Chunical or Trade Nove Photo: A  $(-1, 1)^{-1}$  charge  $(-1, 1)^{-$ 



CM 8 CMM 15-09-2 CMF C M2 C12 C1-CH2-C1

CAS Registry Number 869565-97-9 CAPUIS

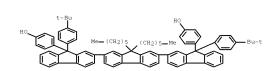
Chesical or Trade News Polyl, 4-phraylengls, 9°-bis,  $|4-(1,1-\dim \operatorname{Phylehyl})\operatorname{phrayleng}|_{9^+,9^+ = \dim \operatorname{Phylehyleng}|_{9^+,9^+ = \dim$ 

PAGE 1-B

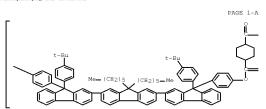
CAS Registry Number 869565-98-0 CAPCHS

Chartcal or Trade Nors 1,1-Cyclohean edicarboryl dichloride, polymer with \$\$ (-1,0)=

CEN 049222-41-9 CMP C03 H02 O2



Christal or Tesis Ness
Polyl, 4-phenylane), 9'-bir]4-(1.1-disabhylabhyl)phenyl, 9'-9'-9'disayl, 2'-7'', 2'-be-98-fluoress |-9,9'-diyl-1-4-phenylansoxycarbosyl1,4-cyclohezanediylosrbonylosyl (SCI) (CA INCEX NAME)

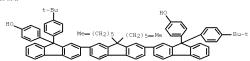


PAGE 1-B



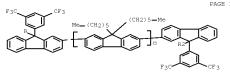
CM 2 CBM 478935-45-4 CMF C30 H24 N2 G2

Therefore, we "ready bloom to be a constraint, and the state of the s



CRN 75-44-5 CRN 75-44-5

PAGE 1-A



PAGE 1-B

CM 2 CRM 2024-00-6 CMP CL7 H14 CL2 CA

Chestical or Trade Nove C. C. (i.-multy)subylidated di-L. (-phayylang) state to player with L.4-(9, 9'-ba)s). Folial test (low-roughly) phenyl (-9', 9'-dihayll, 2':7', 2'-be-98-flooren) -9, 9''-dly1[bis]phenyl (-6', 9'-be-98-flooren) -9, 9''-dly1[bis]p

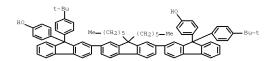
CPM 069565-73-1 CPM 079 H62 F12 CR

CM 2 CEN 2024-00-6 CMF CL7 H14 CL2 GA

Chemical or Trade Name
Polyjosyardomykowyl.1.4-phosylane(1-methykethylidane)-1.4phosylanegoshomykowyl.1.4-phosylane(1.7-bls)].5phosylanegoshomykowyl.1.4-phosylane(1.7-bls)].53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.9''-diyl|-1.4-phosylane(1.7-bls).53.0''-diyl|-1.4-phosylane(1.7-bls).53.0''-diyl|-1.4-phosylane(1.7-bls).53.0''-diyl|-1.4-phosylane(1.7-bls).53.0''-diyl|-1.4-phosylane(1.7-bls).53.0''-diyl|-1.4-phosylane(1.7-bls).53.0''-diyl|-1.4-phosylane(1.7-bls).53.0''-diyl|-1.4-phosylane(1.7-bls).53.0''-diyl|-1.4-phosylane(1.7-bls).53.0''-diyl|-1.4-phosylane(1.7-bls).53.0''-diyl|-1.4-phosylane(1.7-bls).53.0''-diyl|-1.4-phosylane(1.7-bls).53.0''-diyl|-1.4-phosylane(1.7-bls).53.0'

CAS Registry Number 849222-41-9 CAMEUS

Chemical or Trade Marse
Pherot, 4,4-(3,9'\*-bis[4-(1,1-dimethylethyl)pheryl]-9',9'-dihayl[2,2':?',2''-bar-99-floorens[-9,9''-diyl[bir-(9CI) (CA DMEX MARS)



CAS Registry Number 869565-73-1 CAPLUS

Chemical or Trade Merse
Phasol, 4,4-[3,9'-5his[5,5-bis(trifivoronshiy1)phasy1[-9',9'-diskination (CA INDEX NAME)

CAS Registry Number 869565-74-2 CANCUS

Chemical or Trade Mane

Phenol, 4,4'-[9,9'''-bis[3,5'bis(krifivororekhylphenyl]9',9',9'',9'',9'''-hazahazyl[8,2':2',2'';2''',2''';2''',2''''-quinqus9H-fivorans[-9,9''''-diyl[bis= (CA INGEX MARI)

PAGE 1-B

CAS Registry Number 869565-76-4 CAPUIS

Chemical or Tends Name
Poly(9,9-dibary1-9H-floorans-2,7-diyl),
a.G-bis[9-[3.5-bis[trifluorcombyl]]+brayl]-9-(4-bydrosyphanyl)
3H-flooran-2-yl]- (CA INGEX NAME)

PAGE 2-A

OS.CITING REP COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITIMS)

OF 77 CAPLUS COPYRIGHT 2010 ACS on STN on Number 2005:1155214 CAPLUS <u>Full-lest</u> int Number 143:413224

information				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20050236977	AL	20051027	US 2005-102660	20050411
JP 2005325097	A	20051124	JP 2005-108186	20050405
10. 10075.43	0.0	000,000,00		

of Annual Annual

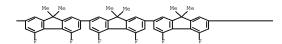
CAS Registry Number 6690L6-16-4 CAPCUS

Chemical or Tools Mere [12, 2°7, 2°\* - Tace-9a-throcken[-7, 2°\* - diamens, 2, 3°, 7°, 2°\* - Tace-9a-throcken[-7, 2°\* - diamens, 2, 3, 3, 3, 3, 3°, 3°\* - hazarshtyl-97, 87, 87°\*, 87°\* - hetcakiz(4-methylphanyl) (CA. DOSEZ MAMS)

PAGE 1-B

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CAS Registry Number 867151-26-6 CASEUS



PAGE 1-D

### CAS Registry Number 867151-23-3 CAPCUS

Chemical or Trade Name Pyrame, 1,1'-(9,9'',9'',9''-haxamathyl[2,2':?',2''-tar-98-fluorens] 7,9''-dyllhis[7'-(1,1-dimethylelbyl- (9CI) (CA IMEX NAME)

PAGE 1-B

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See Cut, Willes, Jean VI, Zing Leitung WI, Barmen L-H, Chen, Bare H.

14 Chen See Change Leitung Lei

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CAS Registry Number 675920-52-2 CAPUIS

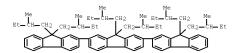
PAGE 1-A

PAGE 1-B

CAS Pagistry Number 491000-91-2 CAPLUS

CAS Registry Number 875928-55-5 CAPLUS

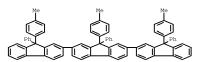
Chemical or Trade Marss 2,2:7:,2"-Ter-9H-fivorens, 3,3,3",3",3",3"-hazakiz(2-mshhylbubyl)-(CA INGEX MARS)



d These thermally stable to (D,P classfolded fluctorie) with this is targed ring contacts models at the terminals (DCTFs) have been synthesized by modified U thron maction and Psi-cutal good Social coupling. The security compts, are amenybous with giant is unable in expension (1) g in the same of 255 250 °C. The selectival uninters are believed up to 1.8 cold has been achieved in this device structure of PTOMPE (20 mm) (DCTF-3(00 mm) (DCCTP-3(00 mm) (DCCTP-3

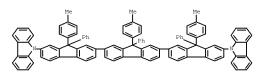
CAS Registry Number 060549-12-6 CAPUIS

Chemical or Trade Name 2,2:37.2:"Ter-SH-fluorene, 9,3',9''-tris(4-methylphenyl)-9,9',9''-tripenyl-4,9c',0'.C.INDEX.NMEE)



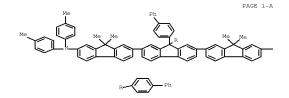
CAS Registry Number 060549-09-1 CAPUIS

Chunical or Teads Name
98-Comberols 3.9'-[9.9',9''-bris(4-melhylphenyl)-9.9',9''98-Comberols 3.9'-[9.9',9''-bris(4-melhylphenyl)-9.9',9''1008-0091[0.2':7',2''-ber-98-flooress[-7,7''-diyl]bis- (9CI) (CA IMDEX NAME 0001)



CAS Registry Number

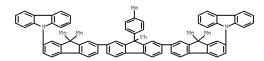
Chemical or Trade None 9H-Carbarola, 9, 9'-[9, 3,9'',9''-takcamathyl-9'-(4-eathylphanyl)-9'--phanyl(2,2''2'),2''-tar-9H-floorans|-7,7''-diyl|bix- (SCI) (CA IMBEN NAME)



OG.CITING REP COUNT: 8 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

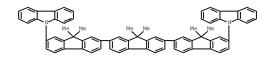
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 1696015	A1	20060830	EP 2004-807321	20041213
CN 1914293	A	20070214	CN 2004-80041655	20041213
KR 2006113954	A	20061103	KR 2006-712158	20060619
IN 2006CN02202	A	20070608	IN 2006-CN2202	20060619
US 20070152565	A1	20070705	US 2006-503554	20060619
JP 2008291271	A	20081 204	JP 2008-183142	20060714
JP 2000010408	A	20000115	JP 2008-212714	20080821

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CAS Registry Number 868549-11-5 CAPLUS

Chemical or Tools Here: 98-Carbonole, 9,9'-(9,9,9',9',9')-heasenthyl(2,2':?',2')-te fluores: -7,7''-dyl)bis-(SCI) (CA INEX NASE)



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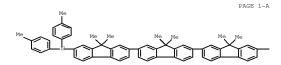
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PATENT NO.	KND	DATE	APPLICATION NO.	DATE
WO 2005050413	Al	20050720	WO 2005-JE727	20050114
JP 2006151935	A	20060615	JP 2005-7475	20050114
EP 1752440	Al	20070214	EP 2005-703955	20050114
US 20080194878	A1	20080814	US 2006-585945	20060711
US 7482490	82	20090127		

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CAS Registry Number 060495-44-9 CAPCUS

Characal or Trada Marss [2,2"-84-99-fluoren]-7-amine, 9',9'-bis([1,1"-biphenyl]-4-yl)-7'-[7-[bis(4-amily]shenyl]amino]-9,9-dimethyl-99-fluoren-2-yl]-9,9-dimethyl-N,N-bis(4-amily]shenyl)- (CA INDEX MRMI)



PAGE 1-B

OB.CITING MEF COUNT: 7 THESE ARE ? CAPCUS ESCORDS THAT CITE THIS ESCORD (19 CITINGS)

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                                            CAS Registry Number
569343-08-4 CAPUS
                                                Chemical or Trade Name
2,2:77,2''-Ter-9H-Elworene, 9,9,9',9',9'',9''-be
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OG.CITING REP COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

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Disclosed is an organic electrolumines cent device comprising an arylene, akylene, cycloskylene, etc.).
Hid Structure

CAS Registry Number 549528-98-5 CAPUIS

PAGE 1-C

PAGE 1-B

OS.CITING PEF COUNT: 1 THERE ARE 1 CAPCUS PECORDS THAT CITE THIS PER (1 CITINGS) TRIBER AREA CASKI
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Dodecanoic acid. 12.12'-[19.9.9''.9''-telcahasyl-9'.9'-diockyl[2.2':2'.2''ter-90-fluorene|-7.''-diyl)bis(5.2-thiopheneigyl-4.1-phenyleneosyl[bis-bis(1-athanyl-2-propayyl) astac (SCI) (CA INDEX NAME) Me- (CH2)5 . ⊶ (CH2) 11 **–**Ŭ́\_\_\_

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OS.CITING PEF COUNT: 51 THEFE ARE 51 CAPCUS PECORDS THAT CITE THIS PROCEED (51 CITINGS)

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Author/Inverter

Kubota, Minoyaki, Furuhashi, Missakazu

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PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
NO 2005054162	Al	20050616	WO 2004-JP10111	20041130
EP 1707550	A1	20061004	EP 2004-709050	20041130
CN 1871192	A	20061129	CN 2004-80031556	20041130
CN 100471827	с	20090325		
US 20070055085	A1	20070308	US 2006-572586	20060320
KR 2006108642	A	20061018	KR 2006-708388	20060428
IN 2006CN01450	A	20070706	IN 2006-CN1453	20060428
IN 2009CN01129	A	20090529	IN 2009-CN1179	20090302

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CAS Registry Number 869016-16-4 CAPUS

Characal or Trade Name  $[2,2^{n}]^{n}, 2^{n-2}e^{-2i\theta} + fluorene \\ [-2,2^{n}]^{n}, 2^{n}, 2^{n}, 2^{n}]^{n} + bacamethyl-N?, N?, N^{n}, N^{n} + batcakin(4-mathylphanyl) + (CA_INGEN_MREE)$ 

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OS.CITING PEF COUNT: 4 THERE ASE 4 CAPCUS RECORDS THAT CITE THIS PECOED (10 CITINGS)

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CAS Registry Number 569383-00-8 CAPEUS

Chemical or Trads Mees 2,2:77,2"-Tax-98-fluorans, 9,9,9',9',9'',9''-hazamathyl- (CA INDEX MASS)

OS.CITING PEF COUNT: 2 THESE ARE 2 CAPLUS PECONDS THAT CITE THIS PECOND

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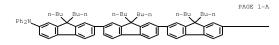
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Chemical or Tools Notes [2,2:37:7:-dismins, 2,2:37:,2:-Tex-98-fluorens]-7,3:-dismins, 4,9,9:,9:,9:-y:-hesabskyl-N7,N7,N7:-hei

CAS Registry Number 059771-04-9 CAPLUS

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DS.CITING PEF COUNT: 50 THERE ARE 50 CAPLUS PECORDS THAT CITE THIS PECORD (50 CITINGS)

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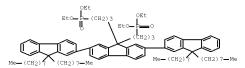
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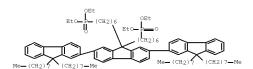
CAS Registry Number

Chemical or Trads Name
Phosphonic acid, [19.9.9''.9''-tetracotyl[2,2':?'.2''-ter-9H-fluoren|-9'ylidens|di-3,l-propandiy||bkr-, betrashyl salar (SCI) (CA INCEX NAME)



CAS Registry Number 660021-15-4 CAPUS

Chemical or Trade Name
Phosphonic acid, [[9,9,9'',9''-talracctyl[2,2':?',2''-tar-98-fluoran[-9'ylidentidin-fi.h-hearediyl]bis-, betratbyl ester (SCI | CA INDEX NAME)



OS.CITING PEF COUNT: 28 THESE ARE 28 CAPLUS RECORDS THAT CITE THIS PECCENO (30 CITINGS)

LB ANDWER 24 OFTY CAPLUS COPYRIGHT 2010 ACS on STN Accessor Number 2000 304046 CAPLUS Edicist Document Number 142-81016 Preparation of High emitting polymer Author/Inventor

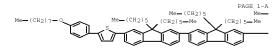
U.S. Part Appl. Publ., 31 pp., Conti-in-part of U.S. Ser. No. 187,381. CODEN: USXXCO-riff Typo Parted

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CAS Pagistry Number 850893-35-5 CAPLUS

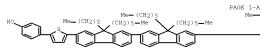
Chtmical or Trade Here Thiophane, 2,2'-(2,8,8',9',9',9')-hazabazyl[2,2':2',2''-bar-98-fluorane]-2,7''-dijlbis[5-[4-Cotyloxylphanyl]- (MCI) (CA INGEX MAME)



PAGE 1-B

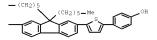
CAS Registry Number 850893-36-6 CAMAUS

Chemical or Trade Name Phanol, 4,4"=[9.9,9",9",9",9"-hazahazy1[2,3":?',2"-tar-98-fluorana]-7,7"-dujidi-5,2-bhiophanadiy1[biz= (9CT) (CR\_INGEN\_N80E)



PAGE 1-B

PAGE 1-B



CAS Registry Number e50893-17-7 CAPCUS

Chemical or Trade Name
Dodesonsic acid, 12.12'=[9.9.9'.9'.9'.9''.9''-heanheayl[2.2':7'.2''-ber-9Hflooren[-2.7''-diyl]bis(5.2-bhiophenediyl-4.1-phenyleneoxyl|bis-,
bix(1-sthanyl-2-peopenyl) satar (9CT) (CA INCEX NAME)

$$\begin{array}{c} \text{PAGE 1-A} \\ \text{H}_2\text{C} & \text{CH} & \bigcirc \\ \text{H}_2\text{C} & \text{CH} & \bigcirc \\ \text{CH} & \text{CH}_2\text{C} & \text{CH}_2\text{C} & \text{CH}_2\text{C} \\ \end{array}$$

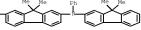
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CAS Registry Number 607739-84-4 CAMLUS

Chemical or Tende More [2,2:17.2"-Tex-98-fivocese[-7,7"-diamine. N.N-bil(3,9-diaminty2-98-fivocese[-7,7"-diamine. N.N-bil(3,9-diaminty2-98-fivocese2-y2)-9,9",9",9",9",9"-hazarathy1-N.N-diphesy1-(6CI) (CA INDEX NAME)



CAS Pagistry Number 669016-16-1 CAPLUS

Chemical or Trade Marss | 2,21:71,21:-Tex-98-fluorens|-7,71:-dismins, 3,93:31,91:31:-Hansmabhyl-N7,N7,N2::N7:--(CA\_DNCKN.NMMM)



CAS Registry Number 669016-17-5 CAPUIS

Chemical or Trade Name [2,2:7',2''-diamine, [2,2:7',2''-diamine, [2,2:7',2'',2'',5''-haxamathyl-N7,N''-di-2-naphth (CA IMBEX NAME)

PAGE 1-B

CAS Registry Number 865202-56-8 CAPUIS

PAGE 1-A

PAGE 1-B

PAGE 1-B

CAS Registry Number

PAGE 1-B

CAS Registry Number

Chemical or Tools Here [2,2:3',2''.Tex-98-floorens]-7,3''-diamins H,N'-bix(4-floorenbenyl)-9,9,9',9'',9''-methylphenyl)-(SCI) (CAINGEN HARG)

PAGE 1-A

PAGE 1-B

CAS Registry Number

Chimical or Trade Here [2:2:2:7:2:1-East-Shiftworne] = 7,7:1-diamins, 2,8,9:,2:9:7:2:1-East-Shiftworne] = 7,7:1-diamins, 2,8,9:,2:9:7:2:1-hazamathy1-M,N'-diphany1-M,N'-bix[4-thriftworcomethy1:phony1-(SCI) (CA INBX NMS)

PAGE 1-A

OG.CITING REF COUNT: 19 THERE ARE 19 CAPCUS ESCORDS THAT CITE THIS PECCED (19 CITINGS)

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CAS Registry Number 853686-05-2 CAPUIS

Chemical or Trade Name Siles, (2,9,9',9',9',9',9')-hazahanyl[2,2':7',2''-bac-9H-fluorens]-7,7''-diyl[bin-(9CT) (6A TROEX NAME)

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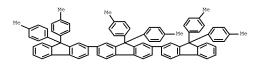
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d
Anoganic light-emitting device device with blue emission characteristic of ferfluorene was achieved by using a mot doping storage; in which 4,5-dazafluorene was incoporated as the substitution group of lerfluorene to facilitate election injection from the metal cathodic without aftering emission characteristics.

CAS Registry Number 474910-42-0 CAPCUS

Chemical or Trade Name 2,2':7',2''-Ter-9H-fluo (CA INDEX NAME)



OS.CITING PEF COUNT: 56 THERE ARE 36 CAPLUS PECORDS THAT CITE THIS RECORD (36 CITINGS)

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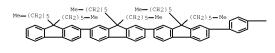
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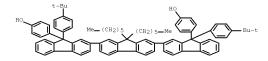


OS.CITING REF COUNT: 49 THERE ARE 49 CAPLUS RECORDS THAT CITE THIS RECORD (49 CITINGS)

Information					
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
US 20050075475	Al	20050407	US 2003-660470	20031007	
WD 2005035618	A1	2005042L	WO 2004-0532914	20041006	
EP 1673403	A1	20060628	EP 2004-794315	20041006	
EP 1673403	B1	20091223			
CN 1890287	A	20070103	CN 2004-80006218	20041006	
AT 452924	т	20100115	AT 2004-794315	20041006	
US 20050256290	Al	20051117	US 2005-170423	20050629	
US 7652126	82	20100126			
KR 810287	B1	20080306	KR 2006-706531	20060502	

CAS Registry Number 849222-41-9 CAPUS

Chemical or Trade Name
Phanol, 4,4\*-[3,9\*\*-bis[4+(1,1-dimsthylathyl]phanyl]-9\*,9\*dimsy[2,2\*:2\*,2\*\*-bar-98-fluorems]-9,9\*\*-diyl[bis-(9CI) (CA DHOEX
RAWS)



CAS Registry Number 849222-42-0 CAPUS

Chemical or Tends Nove Carbonic dichieries, polymor with 4,1-19,9"-big[4-(1,1-carbonic dichieries, polymor with 4,1-19,9"-big[4-(1,1-carbonic dichieries, polymor d

CEDH 849555-47-8

CRN 75-44-5 CMF C C12 O

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CAS Registry Number 849222-43-1 CAUCUS

Chanical or Trada Name
Polyjonycerborylosyll, 4-phenylane(9,9"-bis|4-(1,1-dimethylathyl)phenyl|9',9'-dihazyl(2,2':2':2'-bar-99-fluorans|-9,9"-diyl|-1,4-phenylans|
(SCI) (CA KNOKK NAME)

PAGE 1-A

PAGE 1-B

PAGE 1-B

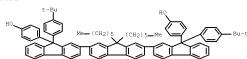
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CAS Registry Number 849222-45-3 CANCUS

Chemical or Train Name

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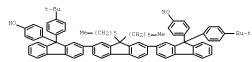
CM 3 CFM 15-44-5 CMP C C19 O

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CAS Registry Number 849222-46-4 CAPUIS

Chesical or Trads Nova Carbonoshbridis asid. C.C'-[(1-methylathylidentidi-4.1-phenylate] sakar polyme with 4.4'=[9.9''-bis]4-(1.1-dimethylathyliphenyl)9',9'-2'-dihey[1,2':2':2''-ker-98-floorem|-9.9''-diyl[bis]phenol| (CA DUEX NAWE)

CM 1 CRM 849222-41-9 CMF C85 R82 G2



Chemical or Trads Nors.
Poly(asysterlory)asysthemical (-methyl shlyr)ddme)-1,4phenylamasysthemydasys-1,4-phenylama (9,9'-bis]4-(1,1diosthylathyl)phenyl (-9',9'-dishay(1,2,2':7':2''-ber-9H-fluorema)-9,9''diyl-1,4-phenylama (CA DEXE NORS)

CAS Registry Number 049222-40-6 CAPLUS

Chemical or Trads Name
Phanol, 4,4-[9,9"-bls]4-[1,1-dimethylathyl]phanyl]-9",9"dibasyl[9,8"]7":8""-be-99-fluorene[-9,9"-diyl]bls-, polymer with
dichlorodijhenylsilene (9CI) (CA INDEX NAME)

CRM 00-10-4 CRM 00-10-4

Chimical or Trade More
Polyloxy/diphonylalylene|oxy=1,4-phenylene|9,9"-bis|4-(1,1-dinathylathyl|phenyl|-3',9"-dihanyl|2,2":7:22"-tar-9H-floorans|-9,9"'-diyl|-1,4-phenylene|(9CI) (CA INGEX NAME)

OS.CITING PEF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

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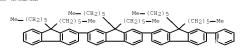
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The new oligin(R)-diheny(fluoren)(grysidire ligands (r, n = 3, 5, 8 = n here)t, extended analogs of a loces in ligand when n = 1, were prepared Reaction of i in = 1, 3, 5 with ligands) (prepared Reaction of the 1, 3, 5) with ligands) (prepared Reaction of the 1, 3, 5) with ligands) (prepared Reaction of the 1, 3, 5) with ligands) (prepared Reaction of the 1, 3, 5) with ligands) (prepared Reaction of the 1, 3, 5) with ligands) (prepared Reaction of the 1, 3, 5) with ligands) (prepared Reaction of the 1, 3, 5) with ligands) (prepared Reaction of the 1, 3, 5) with ligands) (prepared Reaction of the 1, 3, 5) with ligands) (prepared Reaction of the 1, 3, 5) with ligands) (prepared Reaction of the 1, 3, 5) with ligands) (prepared Reaction of the 1, 3, 5) with ligands) (prepared Reaction of the 1, 3, 5) with ligands) (prepared Reaction of the 1, 3, 5) with ligands) (prepared Reaction of the 1, 3, 5) with ligands) (prepared Reaction of the 1, 3, 5) with ligands) (prepared Reaction of the 1, 3, 5) with ligands) (prepared Reaction of the 1, 4, 5) with ligands) (prepared Reaction of the 1, 4, 5) with ligands) (prepared Reaction of the 1, 4, 5) with ligands) (prepared Reaction of the 1, 4, 5) with ligands) (prepared Reaction of the 1, 4, 5) with light (prepared Reaction of the 1, 4, 5) with light (prepared Reaction of the 1, 4, 5) with light (prepared Reaction of the 1, 4, 5) with light (prepared Reaction of the 1, 4, 5) with light (prepared Reaction of the 1, 4, 5) with light (prepared Reaction of the 1, 4, 5) with light (prepared Reaction of the 1, 4, 5) with light (prepared Reaction of the 1, 4, 5) with light (prepared Reaction of the 1, 4, 5) with light (prepared Reaction of the 1, 4, 5) with light (prepared Reaction of the 1, 4, 5) with light (prepared Reaction of the 1, 4, 5) with light (prepared Reaction of the 1, 4, 5) with light (prepared Reaction of the 1, 4, 5) with light (prepared Reaction of the 1, 4, 5) with light (prepared Reaction of the 1, 4, 5) with light (prepared Reaction of the 1, 4, 5) with light (

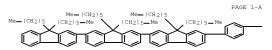
CAS Registry Number 871468-21-2 CAPUS

Chemical or Trade Name
Pyridins, 2-(3,3,3',9',9'',9''-hexahaxy1[2,2':?',2''-bar-9%-fluores[-?-y1][SCI] (CA INDEX SMEE)



CAS Registry Number 871468-22-3 CAPUIS

Pyridine, 2-[4-(8,9,9',9',9',9'',9''-hezehezyl[2,2';7',2''-her-98-fluoren|-7-yl|phenyl|- (9CX) (CA INGEX NMEE)



PAGE 1-B



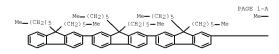
OB.CITING REP COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

LE ANSWER 32 OF 77 CAPLUS COPYRIGHT 2010 ACS on STN Accessor Number 2004 67:15 CAPLUS Fathers Document Number 141 372541

The malerials comprise light-emitting organic procy- or charge-flarasporting organic procy-containing cyclo any lother deline, or cyclo any lothic deline. The devices have light-emitting layers and optionally charge-targoring layers between anostes and callbodins, wherein the light-emitting layers and/or the charge-flarasporting layers contain the above malerials. The malerials are optionally of the high-pointy films easily.

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CAS Registry Number 777947-21-4 CAPUS



— (CH<sub>2</sub>) 5 Me— (CH2)5 (CH2)5—Me (CH<sub>2</sub>) 5—Me

CAS Registry Number 871468-26-7 CANCUS

Chesical or Trade Morse Pyridian, 2-[2,3,2',3'',3'',3''-hazahazyi-1''-(trimathyinityt)[2,2':?',2''-tar-98-fluoran]-?-yi]- (SCI) (CA INDEX MMS)

CAS Registry Number 071460-27-0 CAPLUS

Chemical or Twade Marse Byridines, E.(17)-Boomson3, 9, 9', 9', 9'', 9''-hemsheayl[2, 2':7', 2''-ber-98-Thorns(-7-97)- (9CI) (CA IMENX MAME)

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CAS Registry Number

Chemical or Trade Name

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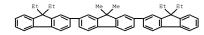
PAGE 1-B

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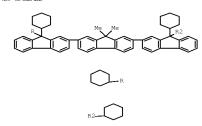
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	PATENT NO.	KND	DATE	APPLICATION NO.	DATE
	JP 2004277368	A	20041007	JE 2003-73236	200303
	JP 4261948	82	20090513		

CAS Registry Number 760390-60-1 CAPUS

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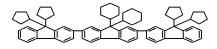


Chemical or Trade Name 2,2::7',2''-Tar-9H-fluoreme, 9,9,9'',9''-tetuscycl (9CI) (CA INDEX NAME)



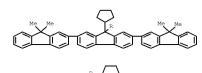
CAS Registry Number 760390-70-5 CAPCUS

Chemical or Trade Name 2,2:3'-dicyclohamy1-2,2:1'.2'-dacydlohamy1-2,2:1'.7a-3H-fluorama, 2'.2'-dicyclohamy1-2,2,2''.3''-ketracyclopenty1- (OCT) (CA DMGK NAME)

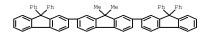


CAS Registry Number 760398-71-6 CAPLUS

Chemical or Trade Mans 2,2':7',2''-Tar-9H-flworans, 9',9'-di (9CI) (CA INDEX MASE)

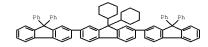


CAS Pagistry Number 760398-78-7 CAPCUS



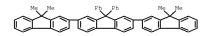
CAS Pagistry Number 760398-73-0 CAPLUS

Chemical or Trade Name 2,2'17',2''-Ter-9R-Elworene, 9',9'-dicyclo (9CI) (CA INDEX NAME)

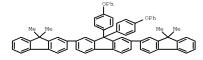


CAS Pagistry Number 768398-74-9 CAPGUS

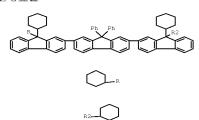
Chemical or Trade Name 2,2:77,2"-Ter-9H-flworens, 3,3,3".5"-Estramethyl-3',3"-diphenyl- (9CE) (CR INDEX NAME)



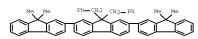
Chemical or Trade Name 2,2':7'.2''7er-98-fluorene, 9,9,9'',9''-tetemmethyl-9' phenosyphenyl- (SCI) (Ch INDEX NAME)



CAS Registry Number 760390-76-1 CAPUIS

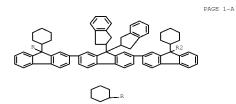


Chemical or Trade Name 2,2':''.2''-far-9H-fluorens, 9,9,9''.9''-tetcamethyl-9',9'-bix(phenylmethyl)- (9CI) (CA INCEX NAME)



CAS Registry Number 160390-78-3 CAPUIS

Chemical or Trade Name 2,2:27.21"Tar-98-fluoress, 9,9:7.9"'-batescyclobaxyl-9',9'-bix(2,3-dibydeo-14-index-9-yl) (9CI) (CA INDEX NAME)

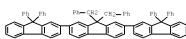


PAGE 2-A

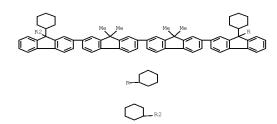
CAS Pagistry Number 760390-79-1 CAPLUS

Chemical or Trade Mans 2,2',7',2''-Ter-9H-fivorene, 9',9'-disethyl-9,9.9'',9''-behookis(phenylmethyl)- (9CI) (CA INGEX NAME)

Chamical or Trads Herm 2,2:17.2:"fer-98-fixorene, 9,9,9'',9''-tetrophenyl-9',9'-bis(phanylmathyl)- (9CI) (CR INGEX NAME)

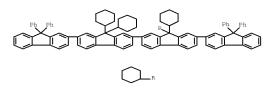


CAS Registry Number 768398-81-8 CAMEUS



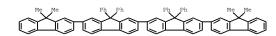
CAS Registry Number 768398-82-9 CAPUIS

Chemical or Trade Name
2.2177.21177.21170.ber-98-Elworene,
91.91,911,911-tatramethyl-9.9.911.3111-tatraphrnyl- (SCI) (CA DODE
NAME:



CAS Registry Number 760390-04-1 CAPCUS

Chemical or Trade Name 2,2::7:,2::2::,2::-Quater-9H-cloorene, 9,9,9::,9::-telecomethyl-9:,9:,9::-telecomethyl-9:,9:,9::-telecomethyl-9:,9:,9::-telecomethyl-9:,9:,9::-telecomethyl-9:,9:,9::-telecomethyl-9:,9:,9::-telecomethyl-9:,9:,9::-telecomethyl-9:,9::-telecomethy



CAS Pagistry Number 768398-85-2 CAPLUS

Chemical or Trade Mans 2,2:7:,2:7:,2:7:,2:7:-Quater-98-fluorans, 2:,3:,3:7:,2:7:-tatramethyl-3,3,3:7:,3:7:-tatramethyl-3,3,3:7:,3:7:-tatramethyl-3,3:7:,3:7:-tatramethyl-3,3:7:,3:7:-tatramethyl-3,3:7:-tat

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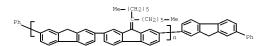
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Source U.S. Part Appl. Publ., 19 pp. CODEN: USXXCO Document Type Parket Language English English Parket Internation

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20040176560	AL	20040909	US 2004-793012	20040308
US 7126013	B2	20061024		
EP 1475401	YS	20041110	EP 2004-2999	20040210
EP 1475401	A3	20050601		
EP 1475401	BI	20090527		
AT 432306	т	20090615	AT 2004-2898	20040210
JP 2004339193	A	20041202	JP 2004-51555	20040305

CAS Pagistry Number 753471-12-4 CAN'NO

Charactel or Trade Marsa Poly(9-(1-hazythaptylidana)[2,2'-bi-98-fivorana)-7,7'-diy1], q=(7-phany1-98-fivoran-2-y1)-9-phany1-(9CI) (CA INDEX NAME)



OS.CITING PEF COUNT: 3 THERE ARE 3 CAPCUS RECORDS THAT CITE THIS RECORD (5 CITINGS)

, Sean W.; Geng, Yanhou; Chen, Shaw H.; Klubek, Yevin P.; Vaeth, Kathleen M.; Tang, Ching W. (Copocarle Source (Kodak Company, USA) University of Rocheder

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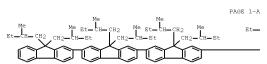
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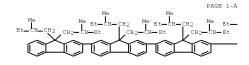
US 70375090 B2 20060502

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CAS Registry Number 491010-91-2 CAPCUS



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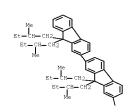


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OS.CITING PEF COUNT: 2 THERE ARE 2 CARLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

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CAS Registry Number 701262-33-1 CAMLUS

Chemical of Trade Mores 2,2':7',2''-Tac-9H-fivorans, 7,7''-diphanyi- (9CI) (CA INDEX MAGE)

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Andrew C. Collage, Same W., Cally S'Arrico, Chen, Same H, Same F, Yaller, Sattlew M., Eng., Ching W.

Andrew C. Collage, Same W., Cally S'Arrico, Chen, Same H, Same F, Sattlew M., Satt

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CAS Registry Number 630425-06-4 CAPUIS

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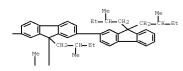
CAS Registry Number 733805-02-2 CAPGUS

Chemical or Trads Name 2,2::7',2''-[L,1'-binephthalene|-4,4'-diylbin[9,9,9',2',9'',5''-bazatix(2-msthylbotyl)- (%II) (CA IMMEN NAME)

PAGE 1-A

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PAGE 2-B



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PAGE 3-B

CAS Registry Number 133806-03-3 CAPUIS

Chemical or Teads Name 2,2\*\*;7.2\*\*-12,1,3-hannothiamola-4,7-diyibis(2,1-ahhanodiyi-1,1-hannothiamola-4,7-diyibis(2,1-ahhanodiyi-1,1-hannothiamola-4,7-diyibis(2,1-ahhanodiyi-1,1-hannothiamoly-1,1-ahhanodiyi-1,1-hannothia(2-methylbelyi)- (SCI) CCA INDEX NAMES NAMES

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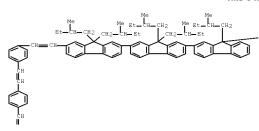
CAS Registry Number 491000-92-3 CAPUIS

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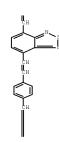
PAGE 1-C

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Patient Assignee/Corporate Source Department of Chemical Engineering and Department of Chemistry, University of Washington, Shaffle, WA, 98195-1750, USA	
Source Journal of Physical Chemistry 8 (2001), 108(25), 6699-9701 COIDEN: JPCRFK; ISSN: 1250-6106	
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U. Yuning: Ding. Jianfu: Day. Michael: Tao. Ye: D'lorio, Marie	
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PATENT NO. KND DATE APPLICATION NO. DATE	
WC 2014041962 A2 20040521 WC 2013-CAL696 20031107	
WO 2004041962 A3 20040910	
CA 2505364 A1 20040521 CA 2003-2505364 20031107	
AU 2003200260 A1 20040607 AU 2003-200260 20031107	
US 20060166035 A1 20060727 US 2006-034087 20060120	
US 7650000 E2 20100200	
National Consultricable composition of boronic acid or a boronic acid devirables, such as a boroneile, and an opprice or organometallis mointy having a functionality, such as hole framporting, electron framporting, and light- described, as are methods of forming the cross-triand materials. Multilapsed materials and optionationic devirous, is a, electron uninservent devices, including such consultation composition, are also disclosed.	amitting, ax
H Sixture CAS Paristry Number (HEST-18 CASPES	
Chind call or Trada Nine.  Recente acid. B.S*-(9, 39, 9, 9, 9*) ; 9**-hazaroty(2, 2**), 2**-lar-92-   Howeverly 1-7*	
CM L	
CIN 464474-56-3	

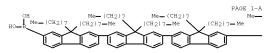
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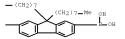
CAS Registry Number 646474-63-7 CAPUIS

Chemical or Trade Name
Boronic acid, B.B = (9.9.9', 9', 9'', 9'', 9''', 9''' octacctyl(2,2''?',2''':''',2''''-quatar-98-Sixorana(-?,?'''-diyl)bixhomopolymer (CA DIGEN NAME)

CDH 646474-60-4 CMF C116 8164 B2 CA



PAGE 1-B



CAS Registry Number 646474-56-0 CAPCUS

Chemical or Trade Name
Boronic acid, S.B-[9,9,9',9',9'',9''-hazacctyl[2,2':?',2''-tar-98-fluorene]-7.7''-digl)bis- (Ch INDEX NAME)

PAGE 1-A Me— (CH<sub>2</sub>) 7 Me— (CH<sub>2</sub>) 7 (CH<sub>2</sub>) 7—Me OH HO—B Me— (CH2) 7 (CH2)7-Me

PAGE 1-B

CAS Registry Number 646174-54-6 CAPCUS

Charical or Trads Name 2,217,217-de-58-fluorene, 7,711-dibromo-9,9,91,91,911,911-hexacekyl-rea Index Names

CAS Registry Number 646474-59-1 CAPUIS

Chemical or Trade Ners 2,2:27,21:17:1,2:1-Quater-9H-Eluorans, 7,7:11-discovered-9,3:1,9:,9:1,9:1,9:1,9:11-ocksockyl- (9CI) (CA DIBEX

PAGE 1-B

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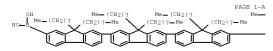
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The second Assets, 1978, Charles F., Earn, Nothers R., Danks, John E., Bootley, Class E., Konler, Anny, Frinch, Fichard H., Hohme, Andew B. (Marchell & Coupling Couplin

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CAS Registry Number 646474-60-4 CARLUS

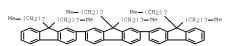
Chemical or Trade Name
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DMDN NAME)



PAGE 1-B

CAS Registry Number 260702-01-2 CAPLUS

Chemical of Trads Mars 2,2:5',2''-Tar-9N-floorans, 3,3,9',3'',9''-hazacctyl- (9CI) (CA INHEX NAME)



CAS Registry Number 474283-27-7 CARLUS

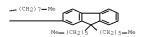
Chimical or Trade Name 2,2:27:27:27:17:11-Quater-9R-fluorane, 9,9,9',9',9'',9''',9''',9'''-octaoctyl- (CA INDEX NAME)

CAS Registry Number 620625-13-0 CAPLUS

Chemical or Trade Name
Inidium, bis[5:49',3''-dihmoyl=9,9,9',9''-balcoockyl[2,2':7',2''-bar-9Hfluores[-7-yl]-2-[2-pyridinyl-pi]phoyl-pi[12,4-pentamedianalo10,90''-GXII (CAITMEN NAME)

PAGE 1-A

PAGE 3-A

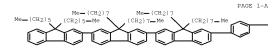


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Me- (CH2) 7-R2

CAS Registry Number 620625-09-4 CAPCUS

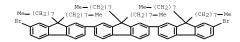
Chemical or Trade Name
Pyridine, 2-[4-69'',9''-dihaxy1-9,9,9',9'-tetraocty1[2,2':7',2''-ter-99fluores|-7-ylypheny1|- (9CI) (CA INDEX NAME)



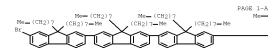
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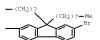
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CAS Registry Number 646474-59-1 CAPUS



PAGE 1-B



CAS Registry Number

Chestcal or Trads Nove 9H-Carkers 1, 2-disashorolan-2-yll-9-ockyl-, polymer with 1, 2'-discomp-9, 9, 9', 9', 9'', 9''-baseckyl-2, 2'; 2', 2''-ber-98-floorene (CA FREE NOWE)

CPN 605114-69-6 CMF C24 H31 H2 N CA

Me = (CH<sub>2</sub>) 7 Me— (CH<sub>2</sub>) 7 (CH<sub>2</sub>) 7— Me Me- (CH2)7 (CH<sub>2</sub>)7-Me

CAS Registry Number 605114-00-1 CAPUS

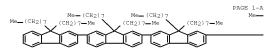
LS ANSWER 41 OF 77 CAPLUS COPYRIGHT 2010 ACS on STN ACCORDED Number 2004 36/701 CAPLUS Falter!

Document Number 15/17/848

Title Sentings and Proc. 15/17/848

CAS Registry Number 474203-27-7 CAPLUS

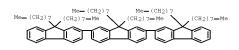
Chemical or Trade Marms
2,2':7',2'':7',2'''.2'''.Quaber-9H-fluorans,
9,9,9',9'',9'',9''',9'''-octaoctyl- (CA INDEX NAME)



PAGE 1-B

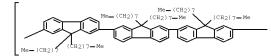
CAS Registry Number 260702-01-2 CASLUS

Chemical or Teads Mass 2,3:77,2"-Ter-9H-Sivorens, 9,9,9',9',9'',9''-hexacctyl- (GCI) (CA INGEX MASS)



Chemical or Trade Merse 2,2127,21-Trade Merse 2,2127,21-Trade Merse 2,2127,21-Trade Merse (CA INCEX Meth)

PAGE 1-A



CAS Registry Number 711015-32-6 CAPLUS

Chiracal or Trads Mans 98-Carbarola, 3.6-bir(1.3,2-dioxaborolan-2-yi-3-octyi-, 2.7\*\*-dibremo-9.9.9\*,8\*:9\*\*.9\*\*.9\*\*.9\*\*.9\*\*\*-ecta-ectyi-2.2\*\*;7\*:2\*\*:7\*\*.2\*\*\*-quate-98-Eluorans, homopolymac [SCI] (Ch INGEX MOME)

CM 2 CFN 646474-59-1 CMF CL16 8160 Be2

PAGE 1-B

CAS Registry Number

Chemical or Trade Name
Poly((9-octyl-96-cachemola-3,6-diyt)(9,9,9',9',9',9'',9'',9''',9'''-octaoctyl(2,2':2'',2'':2''',-quatar-98-floorans|-7,7'''-diyt)) (9CE)
(CA INDEX NAME)

PAGE 1-A

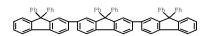
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US 7183010	82	20070227		
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JP 2003347050	λ	20031205	JP 2003-118497	20030423
CH 1453006	A	20031105	CS 2003-124026	20030424
CN 100452475	С	20090114		

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CAS Registry Number 474918-41-7 CARLUS

Chemical or Trade Mores 2,2:77,2"-Tac-98-fivorans, 3,9,9",9",9",9"-hazaphanyl- (CA DNOEX NAMES)



OS.CITING PEF COUNT: 15 THEFE ARE 15 CAPLUS RECORDS THAT CITE THIS RECORD (15 CITINGS)

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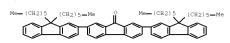
Journal Computer

Journal Control Springer

Journal Contro

CAS Registry Number 701915-03-5 CAPLUS

Chemical or Trads Name [2.2':7'.2''-Ter-9H-fluoren[-9'-one, 9.9.9''.9''-tetrebeayl- (9CI) (CA INDEX NAME)

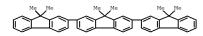


Canon Kabushki Kalaha, Japan Source PCT Inf. Appl., 94 pp. CODEN: PIXXID2 Document Type Parter Language English

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JP 4311707	B-2	20090812	JP 2002-248354	20020020
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US 20060068221	A1	20060330	US 2005-525198	20050222
US 7632577	82	20091215		

CAS Registry Number 569343-00-4 CAPUS

Chustical or Trads Nova 2.21(7).21'-7er-98-fluorene, 9.9.9',9',9'',9''-heaswelbyl- (CA INDEX NAME)



OS.CITIMS PEF COUNT: 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITIMS)

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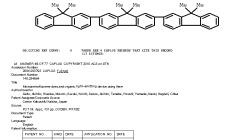
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US 20050244570	AL	20051103	US 2005-525622	20050225
US 7397945	R2	200/90617		

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CAS Pagistry Number 569343-00-4 CAPCUS

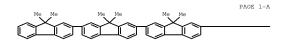
Chamical or Toads Name 2,217/,217-Tex-9H-Sluorans, 9,9,91,917,917-hazamathyl- (CA DEEX NAME)

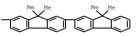


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	JP 4125076	82	20080723		
	AU 2003253443	Al	20040319	AU 2003-253443	20030012
	EF 1542962	Al	20050622	EP 2009-791210	20030012

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Chanical or Tunbo Mane 2.2:27.21:71.21:71.21:11.71.21:11-Quinque-98-Eluocane. 9.3.9.7.91.51.51.51.51.91.91.91.1.91.11-decommethyl- (SCI) (CA DAGEN NAME)

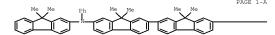




Chemical or Trade Name [2,2\*17\*,2\*1\*\*Trac-98-fluoren|-7-emine.
9,9,9',9',9'',9''-hanomethyl-8,N-bis(4-emihylphenyl)- (9CI) (CA DNDD NAME)

CAS Registry Number 869059-45-4 CAPUIS

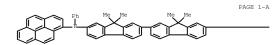
Chemical or Trade Name
[2,2":7",2"-Ter-98-fluorem|-?-emine.
N=[9,9"dimmthyl-38-fluorem-2-yl]-9,9,9",9",9"-hazamathyl-N-phonyl
(GCI) (CA IDEM NAME)





CAS Registry Number 669059-47-6 CAPGUS

Chemical or Trade Hams 1-Pyrenamins, N-(9,9,9',9',9'',9''-hazarsthyl[2,2':?',2''-ter-98-fluoren] 2-yll-8-phnyl- (9CI) (CA INGEX MARE)



PAGE 1-B



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PATENT NO.	KND	DATE	APPLICATION NO.	DATE
NO 2004020373	Al	20040311	NO 2003-JP10258	20030012
JP 2004003403	A	20040310	JP 2002-24660L	20020027
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AU 2003253441	Al	20040319	AU 2003-25344L	20030012
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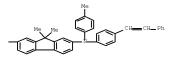
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PAGE 1-B

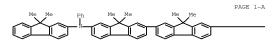
PAGE 1-B

PAGE 1-B



CAS Registry Number 607739-84-4 CAPUIS

Chemical or Trade Name [2,217,21-Tax-98-fluorams]-7,71-dismins, N,N-bia/9,9-dismiply1-98-fluorams]-7,71-dismins, N,N-bia/9,9-dismiply1-98-fluoram-2-yll-9,9-1,91,91,91-heademsthyl-N,N-dishtypl-96-fluoram-2-yll-9,9-1,91,91,91-heademsthyl-N,N-dishtypl-96-fluoram-2-yll-96-fluoram-2

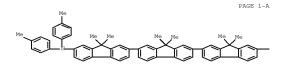


CAS Registry Number 669016-15-3 CAPUIS

Chemical or Trade Name [2,2':7',2''-Ter-9H-fluorens|-7,7''-diam 3,9,9',9',9'',9''-hazamathyl-N7,N7',N

CAS Registry Number 669016-16-4 CAPUS

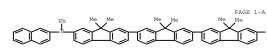
Chemical or Trade News [3,27,21-5] CHILDOCANS[-7,71-dimmins, [3,27,21-5] Housewellyl-N7,N7,N71-,N71-betrakis(4-methylphanyl)-(CA INSER)



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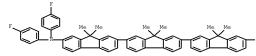
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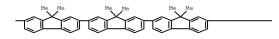
Chemical or Trade Name [2,2:17,2"-Tax-98-floorans[-7,7"-diamins, 9,8,9",9",9"-1"-baseshtyl-N7,N7"-di-2-maphthalenyl-N7,N7"-diphenyl-(CA TMSEX NAME)



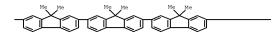
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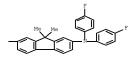




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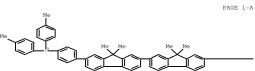


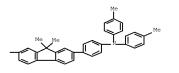
PAGE 1-D



CAS Requistry Number 669016-26-6 CAPUIS

Chemical or Trade Name Bennessins, 4,4-19,9,9,9',9',9','9'-hazamathyl|2,2';7',2''-haz-9B-floorem;-7,2''-digh|ba|N,N-bis(4-methylphenyl)- (SCI) | CA INDEX NAME)





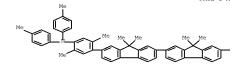
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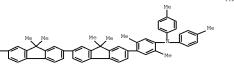
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CAS Registry Number 669016-28-8 CAPLUS

PAGE 1-A





CAS Registry Number 669016-29-9 CAPUIS

PAGE 1-B PAGE 1-C PAGE 1-D

CAS Pagistry Number 669078-03-9 CAPLUS

Chemical or Trade Name [1,1'-Biphrayl]-4-amine, N.N'-[(9,9,9',9',9',9',9'',9''-hexamethyl[2,2'|7',2''-ter-98-(losene]-7,7''-diyl)di-4,1-phraylene[bis]N-[1,1'-Biphrayl]-4-yl-(SCI) (CA. INDOK NAME)

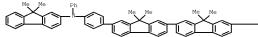
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CAS Registry Number 669078-04-0 CAMEUS



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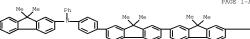
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CN 1255365	c	20080510		
RP 1532009	Al	20050525	EP 2003-791209	20030012
US 20040253369	Al	20041215	US 2004-491745	20040405
US 7241513	82	20070710		
KR 761621	B1	20071004	KR 2005-703122	20050224
JP 2007063285	A	20070315	JP 2008-287219	20061023
JP 4067552	R2	20080326		

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Florence Gets (1.4), 63 - optionally added had projector aprentic group, 11, 72 - H, organic group, quad filter arrives, 11, had gets, 1 - 110) are disclosed within are seed to provide operative development of devices.
Sold friends later alt right of confidence group (in) luminators with an entirely light efficiency, and there interestly high dusability. In an example, 27-dozeno-Quidmely-florence was condensed (1.2) with 1 His florence.

When the condense group is a livered entire of the confidence o

CAS Registry Number 607739-77-5 CAPCIS

Chemical or Toads Nove  $[2,2^{*}?^{*},2^{*}]^{-2} = r^{2} e^{-2it-1} \text{Linocese} [-2,7^{*}]^{-4} \text{Linocese}, \\ [2,2^{*}?^{*},2^{*}]^{-2} = r^{2} e^{-2it-1} \text{Linocese} [-2,7^{*}]^{-4} \text{Linocese}, \\ [2,2^{*}]^{*},2^{*},2^{*}]^{-2} = r^{2} e^{-2it-1} \text{Linocese} [-2,7^{*}]^{-4} \text{Linocese}, \\ [2,2^{*}]^{*} = r^{2} e^{-2it-1} \text{Linocese}, \\ [2,2^{*}]^{*} = r^{2} e$ 



CAS Registry Number 607739-84-4 CAPLUS

Chemical or Trails Name | 17. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18.

PAGE 1-A

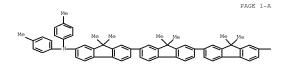
PAGE 1-B

CAS Registry Number 669016-15-3 CAPLUS

Chartical or Trads Nams
[2,2\*17,2\*\*-Tex-98-Elworene]-7,7\*\*-diemine.
9,3,3\*,3\*,3\*,5\*\*-hazamathyl-N7,N7,N2\*,N2\*-

CAS Registry Number 669016-16-4 CANCUS

Chiesical or Trads Name | 2,3°:1".2" -Tex-90-fluorene|-7,3°:-diamine.
9,9°:9'.9': "hex-90-fluorene|-7,3°:-diamine.
9,9.9'.9'.9': "hexamethyl-N',N',N'''.N'''-tetrakis(4-methylphanyl)-(CA\_DNOW\_NMEN)

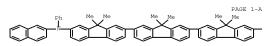


PAGE 1-B



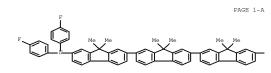
CAS Registry Number 669016-17-5 CAPCUS

Chemical or Trade Name [2,21:71,211-7ac-9H-fivorane]-7,711-dismins, 9,9:31,91,911-7ac-9H-fivorane]-7,711-diamins, (A INDEX NAME)



PAGE 1-B

CAS Registry Number 669016-18-6 CAPUS



PAGE 1-B

PAGE 1-A

PAGE 1-B

PAGE 1-C

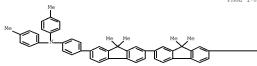
PAGE 1-D

CAS Registry Number 669016-26-6 CAPLUS

Chemical or Trade Mans Bennamenine. 4, 4'=(9,9,9',9',9'',9''-benamethyl[2,2':?',2''-ber-98-floorese[-7,?''-dsylbis]N.N-bis(4-methylphenyl]- (SCI) (CA IMBE NAME)

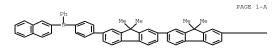
PAGE 1-B

PAGE 1-B



CAS Registry Number 669016-27-7 CAPUIS

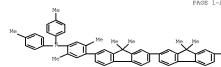
Chemical or Trads Norm 2-Nephtheliannin M.N'-[19,9,9',9',9',9',9'-hexamethyl[2,2':2':2'-her-9H-Chornes[-7,2''-diyh]of-4.L-phenykame[his]N-phenyk- (HCI) (CA IDEX NAMS)



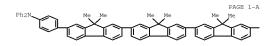
CAS Registry Number 669016-28-8 CAPUIS

Chemical or Trade Name

Benzenarine, 4,4'-(9,9,9',9',9'',9'',9'',9''',9'''octamobyl(2,2':7',2'':7'',2'''-quatar-9Efitorene|-7,2'''-diyi|bix|2,5dimethyl-N.Hobix(4-methylphenyll-(SCI) (CA INDEX NMEI)



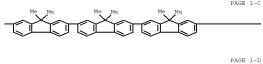
CAS Registry Number 669016-29-9 CAPLUS



CAS Registry Number 669016-30-2 CANCUS

PAGE 1-A

PAGE 1-B PAGE 1-C



CAS Requistry Number 669016-31-3 CAPUIS

Chesical or Trads Name

Benzenarine, 4-(9,9,9',9',9'',9'',9''',9''',9'''',9''''decomologi(2,2'')7'',2'''''',2''''''-quinque-98-fluoren|-7-yl)-N,Ndiphryl' (SCI) (CA EXMEX NAME)

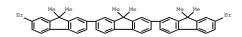
PAGE 1-A

PAGE 1-B

CAS Registry Number 869015-93-4 CAPUIS

Chemical or Trade Name
Pyrams, 1,1'-(3,3,3',3',3'',3''-hazamathy1[2,2':?',2''-bar-997,2''-diy1)bix- (SCI) (CA INNEX NAME)

CAS Registry Number 607759-64-0 CARLUS Chemical or Trade Man 2,2':7',2''-Ter-9H-fl (CA INDEX MAME)



OS.CITING PEF COUNT: 11 THEFE ARE 11 CAPLUS PECORDS THAT CITE THIS RECORD (2) CITINGS)

PAGE 1-B

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PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
MD 2004020371	A1	20040311	WD 2003-J210763	20030826
JP 2004107326	Α	20040408	JP 2003-291191	2003001L
AU 2003256005	Al	20040319	AU 2003-256005	20030026
US 20050236974	Al	20051027	US 2005-522947	20050202
US 7336721	82	20080304		
	MD 2004020371 JP 2004107326 AU 2003256005 US 20050236974	MD 2004020371 AL JP 2004107926 A AU 2003256005 AL US 20050236974 AL	MD 2004020371 Al 2004091L  JR 2004107326 A 20040408  AU 2003256085 Al 20040319  US 20050236974 Al 20051027	MO 2004020371 Al 20040311 MO 2003-0210793 UF 2004107326 A 20040400 UF 2003-291191 AU 2003256065 Al 20040319 AU 2003-256065 US 20030236374 Al 20051027 US 2005-522947

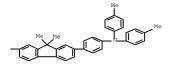
The inventors is decided to the proportion of contends only opinion projects (and proposed plantage) and the proposed plantage is a reference of the anti-new vector in a light-scale with high luminous and is enterowed, such a PTI - could be ptill in the proposed projects of the proposed projects of the projects of th

CAS Registry Number 669016-15-3 CAPUIS

Chemical or Trade Name
[2,2:7',2'-Tran-SH-floorens|-7,7'-diamins.
3,9,9',3',9'',5'-haxamethyl-N'),N',N'',N''-takumphanyl- (CA INGEX NAME)

CAS Registry Number 669016-18-6 CAPUS

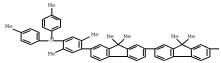
PAGE 1-B



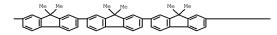
CAS Registry Number 669016-28-8 CAPUIS

Chesical or Trade Nove Benzemaine, 4,4-(9,3,9,9,3),31-(3),

PAGE 1-A

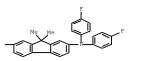


CAS Registry Number 669016-29-9 CAPUS



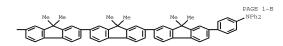
PAGE 1-C

PAGE 1-D



Chantcal or Trads Name Renzemble 1.8 (4.9)  $(9^+,9^+,9^+,9^+)$  -beamethy 1.2.2  $(17^+,2^+)$  -ber-98-fluorems  $[-7,7^+]$  -divide [0,8] N.-biz (4-mathylphanyl) - (SCI) (CA INDEX NAME)

PAGE 1-A

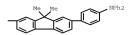


CAS Registry Number 669016-30-2 CAPLUS

PAGE 1-B

PAGE 1-C

PAGE 1-D



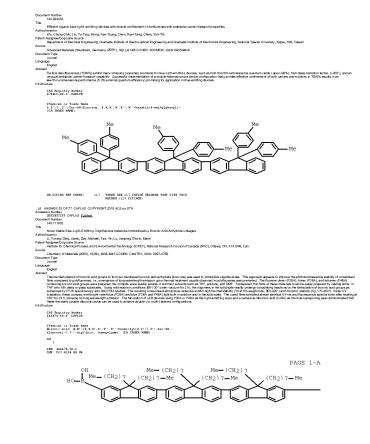
OS.CITING PEF COUNT: 6 THEFE ARE 6 CAPCUS PECOPOS THAT CITE THIS PECOPO (17 CITINGS)

ANSWER 50 OF 77 CAPLUS COPYRIGHT 2010 ACSON STN ACCORDON NUMBER COPUS FJEDDI CONTROL CAPLUS FJEDDI CONTROL CAPLUS FJEDDI CONTROL CAPLUS FJEDDI CAPLUS FJEDI CAPLUS FJEDI CAPLUS FJEDDI CAPLUS FJEDDI CAPLUS FJEDI CAPLUS FJEDI CAPLUS FJEDDI CAP

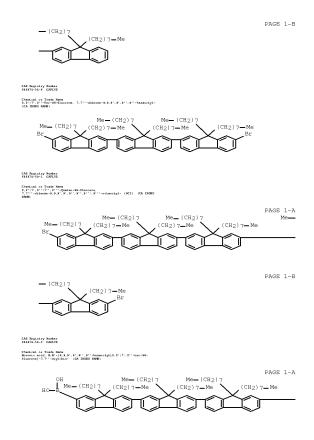
seg situe Light-emming Lucose from A remaining Fucosence-analosio Coping Dirig Tao, Ye, Diorio, Marier, Li, Yuning, Ding, Jianfu, Day, Michael Chromosomer Coping Coping Coping Coping Coping Coping Coping Coping The Microel Judicial Sciences and Invitate for Chemical Process, and Emino Diobocules (2004), 37(7), 2442-2449 CODEN: MANNORY, ISSN: 0024-9297

The influences of the carbacole content on the photophrae, electroderm, and electroliminate entry properties of alternating fluoresticatabole copolymes (PFICs) (in a.1, 2, 3) with vell-defined chemical structures were system calcularly studied. This in the proportion of carbacole in its in the psychiatries efficiency in both of the other backs also private and problem recovers (FF) entrated present stately, select (FFICS) entry, levels, and thus facilitied to the injection in the exposition are problem and problem and problem recovers (FFIC) entrated by the control of the exposition and problem recovers (FFICS) and part of psychiatries efficiency and problem and problem

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was successfully achieved from the FFRG oppolyment by using 1,35 feld fluoroscipheny4-vibraneen FFTRB) as a hole-blocking layer and Alg. as an election injection fluoroscipheny1-vibraneen fluoroscipheny1-vibraneen FFTRB), as a hole-blocking layer and Alg. as an election injection fluoroscipheny1-vibraneen fluoroscipheny1-vibraneen FFTRBB, as a hole-blocking layer and Alg. as an election injection fluoroscipheny1-vibraneen fluoroscipheny1-vibraneen FFTRBB, as a hole-blocking layer and Alg. as an election injection fluoroscipheny1-vibraneen fluoroscipheny1-vibraneen FFTRBB, as a hole-blocking layer and Alg. as an election injection fluoroscipheny1-vibraneen fluoroscipheny1-vibraneen FFTRBB, as a hole-blocking layer and Alg. as an election injection fluoroscipheny1-vibraneen fluoroscipheny1
                    CAS Registry Number
685114-78-7 CAPCUS
                      Chemical or Trads Nove 94-Cathanocal Company of the Cathanocal Cath
                                                                                                                                     Me- (CH2)7
                      CRN 646474-54-6
CNF C87 H120 Se2
                                                                                                                                                                                                                                                                                                   Me— (CH<sub>2</sub>)7
(CH<sub>2</sub>)7—Me
                                                                                                                                                         Me-(CH<sub>2</sub>)7
                                                            Me- (CH2) 7
                                                                                                                                                                                                                                                                                                                                                                                                                                          (CH2)7-Me
                      CAS Registry Number
605114-80-1 CAPUIS
                    Chemical or Trade Name
Poly((4-os)y)-88-ashkenole-3,6-diyk(9,9,9',9',9',9')-
hambocky(2,2':7',9''-ker-98-fivorems[-7,7''-diyk]) (GCI) (CA IMBEX NAME)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PAGE 1-A
                                                                                                                                                                                                                                                                                                                                            Me= (CH<sub>2</sub>) 7
(CH<sub>2</sub>) 7—Me
                                                                                                                                                                                                                                                     Me_ (CH<sub>2</sub>) 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (CH2)7-Me
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PAGE 1-B
                      OS.CITING BEF COUNT: 68 THERE ARE 68 CAPACUS RECORDS THAT CITE THIS EXCORD (69 CITINGS)
L8 ANSWER 51 OF 77 CAPLUS COPYRIGHT 2010 ACS on STN
Accession Number
2004;102181 CAPLUS <u>Full-April</u>
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PAGE 1-B \_в\_он CAS Registry Number 646474-63-7 CAPCUS Chemical or Trade Nova Boronic acid, B.B.-(9,9,9',9'',9'',9''',9''',9'''-oclaselyk[2,2':7',2'':2''',2''''''-quater-98-fluorene|-7,7'''-diyk]bia-hompojymar (CA DUMIX NOOE) CFN 646474-60-4 CMP C116 8164 89 C4 PAGE 1-A Me— (CH<sub>2</sub>) 7-Me Me— (CH<sub>2</sub>) 7 Me= (CH<sub>2</sub>) 7 HO\_B\_Me\_(CH<sub>2</sub>)7 PAGE 1-B CAS Registry Number 260782-01-2 CAPUIS Me— (CH<sub>2</sub>) 7 (CH<sub>2</sub>) 7—Me Me— (CH<sub>2</sub>) 7 (CH<sub>2</sub>)7-Me Me- (CH2)7 CAS Registry Number Chemical or Trade Name
2,2127.21127.211-Quater-9H-fluorens,
9,9,91,91,911,911,9111-octaoctyl- (CA INDEX NAME) PAGE 1-A Me\_ (CH<sub>2</sub>)7 (CH<sub>2</sub>)7\_Me Me—(CH<sub>2</sub>)7 (CH<sub>2</sub>)7—Me



PAGE 1-B



CAS Registry Number 646474-60-4 CAPUIS

Chemical or Trade Name
Baconic acid, 3,31-(4,3,31,31,311,311,3111,3111)
octaoctyl (3,2117,211171,2111-quater-98-fluorers)-7,7111-diyl)bix- (CA
INDEX NMB)

OS.CITING PEF COUNT: 41 THERE ARE 41 CAPCUS PECCEDS THAT CITE THIS PROCESS (41 CITINGS)

PAGE 1-B

PAGE 1-A

CAS Registry Number 620625-13-0 CASUS

Chemical or Trade Name Inidium, bis[5-(9'',9''-dihazyi-9,9,9',9'-takraoctyi[2,2':7',2''-tar-98-fluoren|="3-yi|-2'(2-pyridium)-x%)phonyi-xC[(2,4-pentanodionato-s0,0)'|-(20C (CA INGEN NAME)

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TO THE | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | Abdulor

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18 Studies CAS Registry Number 626236-24-6 CAPCUS Chemical or Trade Name 2,2:77,2"-Tar-9H-fluorens, 9,9,9',9',9',9'',9''-hazasthyl- (9CI) (CA INDEX NAME) 06. CETTION SEP CORNT. 2 FERSI NOT 5 CAPACIS RECORD TOTAL CO.

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ACID CAPACIS CAPACIS CAPACIS CAPACIS CAPACIS CONTRIBUTE 2019
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In the class of a class of the class of the

CAS Registry Number 620625-09-4 CAPCUS

Chemical or Trade Name
Pyridine, 2-[4-(9'',9''-dihenyi-9,9,9',9'-behroockyl[2,2':7',2''-ber-98floores[-2-yl]phenyl[- [SCI] (CA INDEX NAME)

PAGE 2-B

PAGE 3-A

Me- (CH2) 7-R2

OS.CITING REP COUNT: 6 THERE ARE 6 CAPCUS ESCORDS THAT CITE THIS ESCORD (20 CITINGS)

LS ANSWER 55 OF 77 CAPLUS COPYRIGHT 2010 ACS on STN ACCORDED Number 2003 870678 CAPLUS ENLINE 139:371613

Light-milling composition containing calculates or continuous creatings subdite for population of electriduminescent devices.

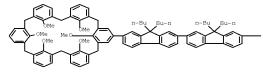
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(Auguset Coopers) Source
(Auguset Coopers) Source

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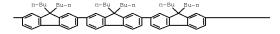
CAS Registry Number 546631-43-0 CAPCUS

Chemical to F. Toda News (1997) (1997

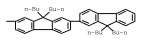
PAGE 1-A



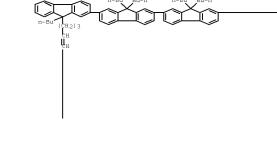
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PAGE 1-C

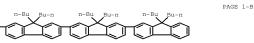


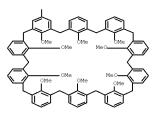
CAS Registry Number 546632-35-3 CAPUIS



PAGE 1-A

PAGE 2-A





CAS Registry Number 546631-40-7 CAPEUS

Chartical or Tools Name
2, 21.77, 21.



PAGE 1-B

PAGE 1-C

CAS Registry Number 546632-32-0 CAPUIS

PAGE 1-B

OS.CITING PEF COUNT: 2 THEFE ADE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

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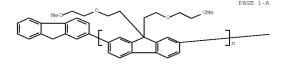
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US 20030224205	AL	20031204	US 2002-285114	20021031
US 7241512	B2	20070710		
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EF 1497393	AL	20050119	MP 2003-716275	20030303
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MX 2004010060	٨	20041213	MC 2004-10050	20041013
US 20070237983	A1	20071011	US 2007-757723	20070604
US 7442421	B2	20081028		

Accordance in described comprising a justy emitting polymerocorpologica palasky of a price or monomic crist and a palasky of or file significant time for the described in the d

CAS Registry Number 618909-71-0 CAPLUS

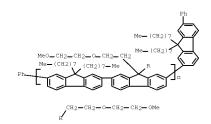
Chemical or Twade Name Poly(9,9-bis[2-(2-mathoxysthoxy)sthy1]-90-fluorans-2,2-diy1],  $\alpha$ ,0-di-90-fluorans-2-y1- (9Cf) (CA DOSK NAME)



PAGE 1-B

CAS Registry Number 618909-74-3 CAPCUS

Chrmical or Trade Merce
Poly(9,9-bis|2-(2-esthosysthosy)sthyl|-F.9'-dioctyl|2,2'-bi-9H-fivorens|7,7'-diyl|, a-(9,9-dioctyl-7-phenyl-9H-fivoren-2-yl)-a-phenyl(SCI) (CA INDEX SMES)



OG.CITIMS REF COUNT: 5 THERE ARE 5 CAPCUS RECORDS THAT CITE THIS RECORD (5 CITIMS)

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Adapsache-Copical Society Congeled C

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CAS Fagistry Number 630425-88-6 CAPLUS

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CAS Registry Number 630426-34-5 CAMEUS

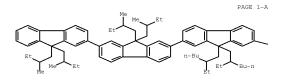
Chamical or Trade Name
2,2:37.2\*\*\*Gra-9Hellocans, 9,9-bis(2-ethylhesyl)=2-[(12)-2-(4iodophanyl)sthanyl|-9',9',9'',9''-tatratis(2-esthylbutyl)- (9CI) (CA
IMBEN NAME)

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PAGE 1-A

PAGE 1-B

CAS Registry Number 630426-35-6 CAPUS



PAGE 1-B

CAS Registry Number 630425-85-3 CAPUS

Chunical or Trads News 2.1.5 Newsorth backers; 4.7-bis[3.8-bis[2-ehbykhezyl] - 2.1.5 Newsorth backers; 4.7-bis[3.8-bis[2-ehbykhezyl] - 2.7-2.7 Newsorth backers; 4.1-bis[2-ehbykhezyl] [2.2:17.2:17.1.2'''-quatar-9-fitocan[-2-yk] - [SCI] (GRINGEN Newsorth)

CAS Registry Number 630425-86-4 CAPUIS

Chemical or Trade Name 2,1,3-Remorbized and 4,7-bis[5-[9,9-bis[2-athylhaxy1] - 9:9:,9:1,9:1,9:1,3:1-basakis[2-ashylhaxy1][2,2::7:,2::7:1,2::-quatar-9||-flooran||-floory||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-flooring||-floor

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PAGE 2-A

CAS Ragistry Number 630426-29-0 CAPCUS

Charactel or Trads Nama 2,2':7',2''~Ter-9H-fivorene, 7,7'''-[L,4-phenyleneMis[(LE)-2,1-ekhenediyl-10.4')

PAGE 1-A

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CAS Requistry Number 630425-87-5 CAPUS

PAGE 1-C

CAS Registry Number 630426-30-1 CARCUS

Chrosical or Tende More Benomatria, 2,5-bits (IE) =2-(4-(IE)-2-(4-(IE)-2-(9,9-bits (2-athylbaryl)-9',9',9'')-1'',9''-takzekis (2-asthylbaryl)[2,2'';7',2''-tar-96-fluoren[-7-yl|shenyl|phenyl|shenyl|phenyl|shenyl|phenyl|shenyl|phenyl|shenyl|phenyl|shenyl|shenyl|phenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|shenyl|

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PAGE 3-B

CAS Registry Number 491880-64-9 CAPUS

Chronical or Trade Nove 1, 5, 3-Discontrollans, 2-[3,9,9",9",9",9",9"-headkiz(2mathythekyl)[2,2":2",2""-bar-9H-fizoran[-7-yl]-4,4,5,5-batcamathyl- (9CI) (CA INGEN NAME)



CAS Pagistry Number

Chest call or Teach Mans  $2.1.5 \pm n = 0.001 + (121.2 - 1.4 + (121$ 

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PAGE 1-D

PAGE 1-B

OS.CITING PEF COUNT: 63 THERE ARE 63 CAPLUS PECCEDS THAT CITE THIS PROCED (64 CITINGS)

LIE ANSWER 58 OF 77 CAPLUS COPYRIGHT 2010 ACS on STN

2003:777744 CAPLUS locument Number

Title
Oligotluorenylene compounds
Author/Imagelys

Author/Inventor
Salich, Akhillo, Hisokia, Mizuho; Sizuki, Kolohi; Senco, Akhilio; Tanabe, Hinshi; Yamada, Nacki; Negishi, Chika; Kasahara, Maki
Patent festime/Compatie Source

Source PCTInf. Appl, 62 pp. CODEN: PIXXE Document Type

Language English

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
NO 2003080559	AL	20031002	MO 2003-JE9615	20030325
JP 2004002290	A	20040100	JP 2003-6796	20030115
JP 3848262	B2	20061122		
AU 2003221036	AL	20031000	AU 2003-221098	20030325
EP 1407779	AL	20041222	RP 2003-712917	20030321
CM 1550303	A	20050119	CS 2003-801228	20030325
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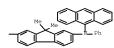
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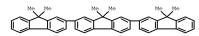
CAS Registry Number 607799-68-4 CAPLUS

Chemical or Trade Messe
[2,2:3],2:37,2:30-Quabsc-90-fluocons[-7,2:3-diamins, N,N-di-9-enth-example-9,3:9:9-3:7,9:1,9:1-9-in-octamethyl-N,N'-diphenyl-(SCI) [CA TROKE MARG]

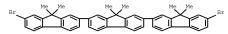
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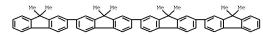




Chemical or Trade Name 2.2':7',2''-Ter-9H-Elworene, 7,7'' (CA INDEX NAME)

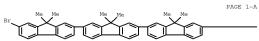


Chemical or Trade Name
2.217'.2''17'.2''17''.2'''-Ouster-9H-fluorene,
9.9.9',9',9'',9'',9''',9'''-octamathyl- (Ch INDEX NAME)



CAS Registry Number 607739-67-3 CAPUIS

Chemical or Trade Name
2,2:37,2:17,2:14Chater=9H-fluorans,
7,2:17-dibcomo-9,9,9',9',9',9'',9''',9'''-octamethyl- (9CE) (CA IMEEX NAME)



CAS Registry Number 607739-69-5 CAPCUS

PAGE 1-B

Chemical or Trade Norm  $[2,2^{*};7^{*},2^{*}]^{-2} = 7a-3b-11vocans] -7,7^{*} - dissins, \\ [3,9,9^{*},9^{*},9^{*}] - 9^{*} - heasestbyl-b,N^{*} - bis (4-methylphenyl)-B,N^{*} - di-2-naphthalanyl- (9CI) (CA INSEX NAME)$ 

CAS Registry Number 607729-70-8 CAPLUS

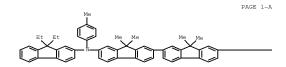
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PAGE 1-A

PAGE 1-B

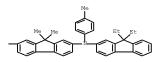
CAS Registry Number 607739-71-9 CAPLUS

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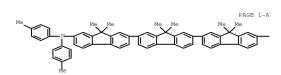


CAS Registry Number 607739-72-0 CAPUIS

Chemical of Trade Name
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3,3,81,91,911,911-hanamathyl-N,N1-diphenyl-N,N1-di-L-pyrenyl- (SCI) (CA
INDEX NAME)

CAS Registry Number 607739-73-1 CAPUS

Chemical or Yeak News  $[2,2^{*};2^{*},2^{*},2^{*},2^{*},1^{*}] + finces = [2,2^{*};2^{*},2^{*},2^{*},1^{*}] + finces = [2,2^{*};2^{*},2^{*},2^{*},2^{*}] + finces = [2,2^{*};2^{*},2^{*},2^{*},2^{*}] + finces = [2,2^{*};2^{*},2^{*},2^{*},2^{*},2^{*}] + finces = [2,2^{*};2^{*},2^{*},2^{*},2^{*}] + finces = [2,2^{*};2^{*},2^{*},2^{*}] + finces = [2,2^{*};2^{*},2^{*}] + finces = [2,2^{*};2^{*}] + finces = [2,2^{*}] + finces = [2,2^{*}]$ 



PAGE 1-B

CAS Registry Number 607739-74-2 CAMEUS

Chemical or Teads Norse [2,2:27,2\*\*\*] Chemical or Teads Norse [2,2:27,2\*\*\*] (2\*\*\*\*) Chemical of the Chemical o

PAGE 1-B

Charical or Trade Name
[2,2':7',2''-Tar-9H-fivorens|-7,7''-diamins,
9',9'-diahly2-9,3,9'',9''-tetramethy1-N,N',N'-tetrakix(4-methy1pheny1)[SCI [CA LORSE NAME]]



CAS Registry Number 60??39-76-4 CAPUIS

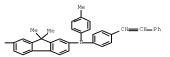
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PAGE 1-B

CAS Registry Number 607739-77-5 CAPUIS

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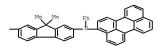


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CAS Registry Number 607739-79-7 CAPEUS

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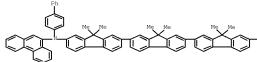
PAGE 1-B



CAS Registry Number 607739-83-3 CAPCUS

Chesical or Trade Nors [2,277,278-26]
[8,277,278-26-1]
[8,100,100,100,100,100]
[8,100,100,100,100,100,100,100]
[8,100,100,100,100,100,100,100,100]
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CAS Registry Number 607739-84-4 CAPUIS

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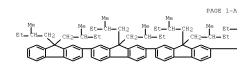
PAGE 1-B

OS.CITING REF COUNT: 3 THERE ARE 3 CAPCUS PECORDS THAT CITE THIS PECORD (9 CITINGS)

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CAS Registry Number 500343-19-1 CAPCUS



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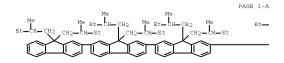
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CAS Registry Number 491880-91-2 CAPUS

Chemical or Trade Name

2. 2 (7) 27 (27) 27 (17) 27 (17) Quinque-Wi-fluorene,

2. 2 (7) 27 (27) 27 (27) 27 (17) 27 (17) 27 (17) 48 (akts[2-mathylbohyl] - (CA INGEX NAME) 27 (27) 27 (



PAGE 1-B

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OG.CITING REP COUNT: 97 THREE ARE 97 CAPCUS RECORDS THAT CITE THIS RECORD (90 CITINGS)

LS ANSWER 60 OF 77 CAPLUS COPYRIGHT 2010 ACS on STN

Accession Number 2003:472573 CAPLUS Eulided Document Number

Title
Organic electrolumineacent material using calicarene or calicaracicisrene derivative

Patent Assignee/Coposate Source Tokuyama Coposation, Japan

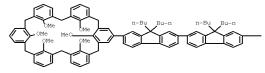
PCT Int. Appl., 140 pp. CODEN: PIXXI Document Tune

Japanes Patent Information

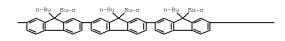
Amount.
The invention where to an organic electroluminescent materials suitable for spin coating, comprising, a calcurate or calinescoclarene durhatine with an organic furnisecent group and/or an organic-charge transport group such as 4,1-12,2-dpilen phings coloning-2-phinn phings below 7-2-phinn phinn phinn

CAS Registry Number 546631-43-0 CAPCUS

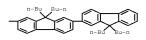
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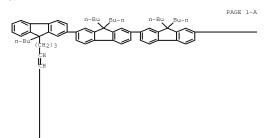


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CAS Pagistry Number 546632-35-3 CAPLUS

Chemical or Trade Name Understyrlo(55.3.1.13.7.19.13.115.19.121.25.127.31.133.37.139.43.145.49.15 1.55|hapkaonta-1613.35.7(70).9.11.13(69).15.17.19(60).21.23.25(67).27.2



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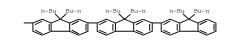
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PAGE 1-B

PAGE 1-C



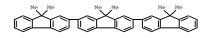
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CAS Registry Number 569343-00-4 CAPUIS

Charical or Trade Nors 2,2':7',2''-Tar-98-Cluorans, 9,9,9'',9'',9''-haxamathyl- (CA INDEX NAME)



OS.CITING PEF COUNT: 113 THERE ARE 113 CAPLUS PECORDS THAT CITE THIS PECORD (11) CITINGS;

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CAS Registry Number 503472-01-9 CAPUIS

Chemical or Trade Name
Proponedinitrile, 2,2'-(2',9'-dimethyl[2,2':?',2''-tar-9H-fluorans[-3,9''-dkylkdeme]bis- (9CI) (CA INGEX NAME)

LS ANSWER \$3 OF 77 CAPLUS COPYRIGHT 2010 ACS on STN coression Number ZODITEGE CAPLUS ZUPles:
Document Number
138:137724
Title

University of Rochester, USA Source PCT Int. Appl., 79 pp. CCOI[N: PIXXO2 Document Type Patent

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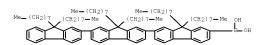
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CAS Registry Number 409093-95-4 CAPLUS

Chemical or Trade Mans
2,2':7',2''-Tar-9H-tivorens, 7-bross-9,9,9',9'',9'',9''-hazactyl- (9CI)
(CA INCRE MANS)

CAS Registry Number 409093-96-5 CAMEUS

Chemical or Teads Here Boronic acid, D-(9,9,2',9',9'',9''-haxaocky1[2,2':?',2''-bar-9H-Eluoran[-?-yl]- (CA EXDEX NAME)



CAS Registry Number 446878-98-4 CASEUS

Chemical or Trade More 1, 3:2-Diozaborolane, 2=[9,9,9',9',9',9'',9''-hemakis[(28]-2-mathyibotyl][2,2':?',2''-tar-98-fisoran[-?-y1]-1,1,5,5-tatramethyl- (9CI) (CA DORK MAMS)

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PAGE 1-B

CAS Registry Number 446070-99-5 CAPUIS

Chartcal or Trade Name 2,2:17',2:17',2:17'-Chaler-98-Elworene, 7-brown-9,9,9',9',9'',9'',9'',9'''-octatis[(28)-2-mshtylbotyl]- (9CI) (CA INDEX NAME)

PAGE 1-B

CAS Registry Number 446079-00-1 CASUS

Chemical or Trade Name
1,3,2-Bloxabrolane, 4,4,5,5-Labramathyl-2-[9,9,9',9',9'',9'',9'',9'',9''',0'''-0-ctakis](28)-2-mathylbobyl[2,2':7',2'':7'',2'''-quatar-9H-fluoran[-7-yl]-(961) (CA DIMEN MWS)

PAGE 1-A

CAS Registry Number 446079-02-3 CAPCUS

Chemical or Tonis More
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CAS Ragistry Number 446879-12-5 CAPGUS

CAS Registry Number 491880-62-7 CAPUS Chimical or Trade Marss 2.217.22\*\*-78\*\*-98\*\*-fluorene, 7-broom-9,9,9\*,9\*,9\*,9\*\*,9\*\*-hezekis[(25)-2-methylbolyl]- (SCI) (CA INDEX NAME)

PAGE 1-B

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CAS Pagistry Number 491000-63-0 CAPLUS

CAS Pagistry Number 491000-64-9 CAPLUS

Chemical or Trade Mars
1, 3, 2-DisselverLane, 2-[9,9,9',9',9'',9''-hexakis(2methylboly)1[2,2':?',2''-bar-98-fluoren[-?-yl]-4, 4, 5, 5-betramethyl(GCE NEWSY NAME)

CAS Pagistry Number 491880-75-2 CAPCUS

Chemical or Trade Mana Silant, [9,9-bis (2-weshlylbubyk)-9',9',9'',9''-hek-apropyk[2,2':7',2''-her-90-flooranj-2-yllprinethyk- (9CI) (CA IMMEX NAME)

n-Pr Pr-n n-Pr Pr-n Et-CH2 CH2 CH2 H-Et SiMe

CAS Registry Number 491880-76-3 CAPUS

Chemical or Trade Name Silams [9,9-bis(2-athylhasy1)-9',9',9'',9''-tatrapropy1[2,2':2',2''-tar-9H-flowern]-7-yllkimethyl- (GCI) (CA INDEX NAME)

CAS Registry Number 491080-77-4 CAPUIS

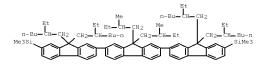
Chemical or Trade Name 2,2:77,2:4-Ter-48-Cluorane, 1-iodo-9,9-bix(2-mathylbuty1)-9:,9:,9:,9:,9:-bix(props)-(SCI) (CA IDUEX NAME)

CAS Registry Number 491880-78-5 CAPCUS

Chemical or Trade Name 2,217,211-Ter-98-Clumens, 9,9-bis(2-ethylbasyl)-7-iodo-91,91,911,911-ketrapropyl-(9CI) (CA INGEX NAME)

CAS Registry Number 491880-79-6 CAPUS

Chemical or Trade Name Silane, [9,9,9",9"-letrakis(2-ethythasyl)-9",9"-bis(2-ethythotyl)[2,2";",2"-bis-98-floorens[-7,7"-diyl)bis[trimethyl- (9CI) (Ch INNIX NAME)



CAS Registry Number 491880-80-9 CAPCUS

Chestical or Trads Nams
2.2':7'.2''-7er-98-fluorene, 9.9.9''.9''-telrekis(2-ethylhesyl)-7.7''dicodo-9',9'-bis(2-enthylbotyl)- (SCI) (CA INDEX NAME)

CAS Pagistry Number 491000-03-2 CAPCUS

Chemical or Trade Name
Stians, [9.9.9''.9'''-batcakis[(35)-3-bobyl-7-mathyloctyl[-9'.9'-bis[(25)-2mathylobyl[[2.2'']?',2''-bar-98-fluorans[-7,7''-diyl[bis]trimethyl- (901)
(GA INGEN NAME)

CAS Registry Number 491880-84-3 CAPUS

Chemical or Trade Name

2,2:37,2110sr-98-fluorene, 9,9,911,911-betenkin[(35)-5-boty1-7methylocity1|-7,711-dicade-91,91-bis[(25)-2-methylboty1|- (9CT) (CA INGEX
NAME)

PAGE 1-B

CAS Registry Number 491080-86-5 CAPUS

Chemical or Trade Name
Silars, [2'''-bcomo-9,9,2',9'',9'',9''',9'''-ochskim[(25)-2methylarly1[[2,2''7',2''']'''-yesher-98-fluoren[-7-yk]krimethyl- (9CI)
(CA NOMEN MOMEN

CAS Pagistry Number 491880-87-6 CAPLUS

Chical of Trads Mans 2,21(7),211(7),2

PAGE 1-B

CAS Registry Number 491880-88-7 CAMEUS

Chemical or Trade Herm Silane. brimethyl [9.9,9'.9'',9'',9''',9'''-octakis [428]-2-

nekhykkekyl|[2,2':2',2'':3'',2'''-queber-98-Eluoren|-7-yl|- (9CI) (CA INDEX NMEE)

PAGE 1-B

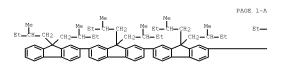
Chemical or Trade Name
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2-coo-9,9,9:,9:,9:,9:,9:,9:,9:",9:"-octakis[(25)-2-mathylbotyt]- (9CI) [CA TRUEN NAME]

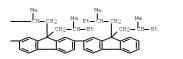
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CAS Registry Number 491880-90-1 CAPUS

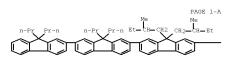
CAS Registry Number 491880-91-2 CAPLUS

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9,9,9,21,911,911,911,911,9111,9111.4icakix(2-ashlylbobyl)- (CA INGEX MARG)





CAS Requistry Number 491000-92-J CAPOIS



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CAS Registry Number 491880-93-4 CAPUS

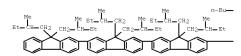
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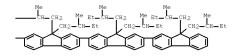
CAS Registry Number

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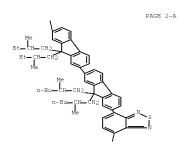
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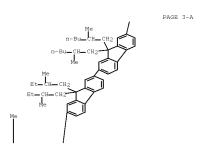


CAS Registry Number 491880-95-6 CAPUS

Chemical or Trads Name 2,1,2-Bennothizediamole, 4,2-bis[9],9],91,91,91,911,911-bennothizediamole, 4,2-bis[9],91,91,911,911,911-bennothizedemathy/bodyl=9,3-bis[2-methy/benyl=[2,21],21],21],21],21]-quatac=9H-fluoren[-2,2]=[ZI] (CA INDEX NAME)

PAGE 1-A





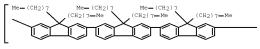
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CAS Registry Number 420065-70-7 CAPUIS

Chemical or Trade Nerm Poly(), 3,4-condimons-2,5-diy1(9,3,2',9',9'',9'',9''-hexacdy1(2,2':7',2''-ter-9H-Elocomen-7,7''-dsy1)((SCI) (CA INGEX 3986)

PAGE 1-A

PAGE 4-A



PAGE 1-B

Chemical or Trade Name

Bolyl, 3.4-coardinatie-2.5-diyl(9.9.9',9',9'',9'',9''',9'''
octactyl[2,2':7',2'':7'',2'''-queter-96-fluorere[-7,7'''-diyl)] (9CI)

(CA\_DOBL\_NAME)

PAGE 1-A

PAGE 1-B

CAS Registry Number 445310-52-1 CAPGUS

Chemical or Tone Name

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CPM 497143-28-9 CMP (C28 H16 D4)n C33 H28 D12 S4 , x Li CCI RMS

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CAS Pagistry Number 497143-30-3 CAPGUS

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CRN 497142-20-9 CNF (C23 B16 O4)n C33 B22 D12 S4 . a Li CC1 P85

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CEN 2585-39-9 CMF C42 H70 D35

PAGE 2-A

OB.CITING REP COUNT: 201 THERE ARE 201 CAPLUS RECORDS THAT CITE THIS DECORD (201 CITINGS)

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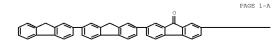
CAS Registry Number 488085-07-0 CABUIS

Chemical or Trade Name 2,2::7:,2::1:2::0:-Qrinque-98-Eluorene (CA INDEX NAME)



CAS Registry Number

Chemical or Trade Mans [2,2\*17\*,2\*\*\*;7\*\*\*,2\*\*\*\*-Qsinque-89-fluoren|-9\*\*-one [SCI] (CA INCOC NAME)



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PAGE 1-B

CAS Pagistry Number 400005-09-2 CAPLUS

Chardical or Trada Maria |2,21,71,211,711,2111,7111,21111-Out INDEX NAME)

PAGE 1-B

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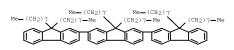
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of
The synthesis and characterisation of a fluorene explicit fluorene alternating copolymer, P(ICF-SBF), are described. In the case of the spin eagment, the two fluorene intiguare orthogonally arranged and connected through a tetrahedial bonding carbon altern (the spin center). As a consequence, the polymer chair periodically zigaspe, with an arraje of 00° at each spin center. This structural feature not only preserves the rigidity of the polymer.

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CAS Registry Number 260782-01-2 CAPUS

Chemical or Trade Name 2,2:37,2\*\*\*Ter-9H-fluorens, 9,9,9\*,9\*,9\*\*,9\*\*\*heasectyl= (SCI) (CA INDEX NAME)



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CAS Registry Number 474910-39-3 CAPCUS

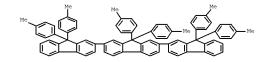
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CAS Registry Number 474918-41-7 CAPGUS

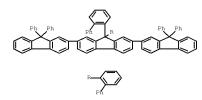
CAS Registry Number 474918-42-8 CAPCUS

Chemical or Trade Na 2,2':7',2''-Ter-98-6 (CA INDEX MAME)



CAS Registry Number 474918-43-9 CAPLUS

Charactel or Trade Name  $2,2^n=k+9+k+1=2-$ 



CAS Registry Number 474910-44-0 CAPUS

Chemical or Trads Name
2, 2'-24-39-Tisosene, 9, 9-bis(|1,1'-biphenyl|-2-y1|-7-|9,9-bis(4methylphenyl)-99-Tisosen-2-yl|-9',9'-bis(4-methylphenyl)- (CR IMBEX NAME)

CAS Registry Number 474918-45-1 CAPUS

Chemical or Trade Name  $2,2^*=98-98-81 \text{ Graves}, \ 9,2-\text{bis}(\{1,1^*-\text{bisphenyl}\}-2-\text{yl})-2^*-(4-\text{methylphenyl})-2^*(2-\text{methylphenyl})-2^*(1-\text{methylphen$ 

OS.CITING REF COUNT: 207 THERE ARE 207 CAPCUS PECORDS THAT CITE THIS PECORD (213 CITINGS)

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CAS Registry Number 457917-98-5 CAPLUS

Chamical or Trade Mans 2,2':7',2''-Ter-98-fluorens (CA INDEX NAME)



OS.CITING REP COUNT: 56 THERE ARE 56 CAPLUS RECORDS THAT CITE THIS DECORD (58 CITINGS)

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CAS Pagistry Number 260702-11-1 CAPGUS

Chirolical of Trade Merse
Polylony-1,6-hosenediyloxycarbosyl(0,0,0',0',0',0',0',1-hosenexyl[0,0',1',2',-her-96-1000cene[-7,2''-diyl]corbosyl[(SCI) (CA INGEX MRME)

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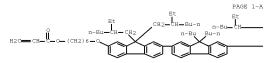
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CAS Registry Number 355135-02-3 CAPUIS

Chemical or Trade Name 2-Propensic acid. [9",9"-dibutyl-9,9,9",9"-betrakis(2-abhythasyl)[2,2",2",2"-be-98-bluocans|-7,7"-diyl|bis|oxy-6,1-hazaradyl) astar (9CT) (CA TROSK NAME)



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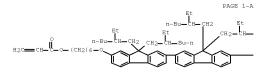
CAS Registry Number

Chemical or Trade Norm 2-Propensid acid, [9,9:9:,9:,9:,9:] heaskis(2-shbylheayi)[2,2:,7:,2::her-9H-Elsocramp-7,7:-dylylbis(oxy-6,1-heasendiyl) esker (9CT) (CA DISEX

PAGE 1-A

CAS Registry Number 355135-04-5 CAPLUS

Chins cal. or Trade More
2-Propanosc acid. [8\*1,9\*1-dibuby1-9:8,9\*1,9\*11,9\*11,9\*11,9\*11]
5-chakis?-shbytheryll [8:2\*12\*1,2\*12\*11,2\*1\*12\*1\*1-gainque-shi-fibuocone]
7.7\*\*\*\*-dayl bis logg-6, --beanoddyll ester (9CI (CA INDE) NAME)





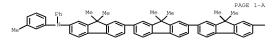
OG.CITING REP COUNT: 26 THERE ARE 26 CAPLUS PROORDS THAT CITE THIS PROCEDO (26 CITINGS)

Inventor Nakahuka, Masakahur, Shimamusa, Takehko Assignee/Corporate Source Misul Chemicals Inc., Japan

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CAS Registry Number 239476-24-5 capris

Chestoal or Trade Nove [2,2\*17,2\*1-Tex-9H-floorans]-7,7\*\*-dismins, 9,9,9,3\*1,9\*1,9\*1-heaseshyl-N7,N7\*\*-bis(3-methyl-N7,N7\*\*-disphenyl-N7,N7\*\*-disphenyl-(CA\_DOMES\_NBMS)



PAGE 1-B

CAS Registry Number 239476-25-6 CASUS

Chemical or Tradt Name  $[2,2^{\circ},2^{\circ},2^{\circ}]$  are 3H-fibocans  $[-2,2^{\circ},2^{\circ}]$  -diamins, N,N'-bix (3-mxhoxyphanyl  $[-3,3,2^{\circ},2^{\circ}]$ , 9' -hazamathyl-N,N'-diphanyl-QSI (CA DIMEN NAME)

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Department de Chini, Centre de Recherche en Sciences et Ingenierie des Macromolecules, Université Laval, Quebec City, QC, G1K 7P4, Can. Macomolecular Reptid Communications (2000), 21 (15), 1013-1016 CODEN: MRCOES; ESN: 1022-1306 of Type

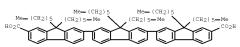
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CAS Registry Number 260782-05-6 CAPUIS

Chemical or Trade Name
[2,2':7',2''-Ter-99-fluorene[-7,7''-dicarboxylic acid.
9,9,9',9'',9''-hazahazyl- (SCI) (CA INDEX NAME)



CAS Registry Number 260702-11-4 CAPCUS

Chemical or Trade Name
Polyloxy=1,6-hearnediyloxycacbory1(9,9,9',9',9',9'',9''-hearheay1[2,2':?',2''he-98-filtorene[-7,7''-diyl)carbory1[ (9CI) (CA INEX NAME)

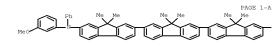
PAGE 1-A Me— (CH2) 5 (CH2) 5—Me Me- (CH2)5 Me\_(CH2)5

PAGE 1-B

CAS Registry Number 313644-51-8 CAPUIS

Chemical or Trade News [2,27,71-dicarbonyl dichlorids, [3,27,7].\*\* "Far-AB-Tiporans|-7,71-dicarbonyl dichlorids, [5,27,7].\*\* "Far-AB-Tiporans|-7,71-dicarbonyl dichlorids, [6,1]. (CA INDEX NOWS).

CDN 313644-50-7 CMF C77 H96 C12 CR



CAS Pagistry Number 325129-65-5 CAPCUS

Chemical of Trade Nerse  $[2,2^*;1^*,2^{**}]^* = 7^* - 90 \cdot 1000 \cos n = [-7,7^*] \cdot - 0 \cos n = [-7,9^*] \cdot - 0 \cos n =$ 

PAGE 1-B

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PAGE 1-B

CPN 629-11-6 CMF C6 H14 D2

HO- (CH2)6-OH

CAS Registry Number 313644-50-7 CARLUS

Chemical or Trade Mans  $\begin{array}{ll} \{2,2^{n};7^{n},2^{n+1}\text{-fac-9B-Simorans}\}-7,7^{n+1}\text{-dicarbonyl dichlorids},\\ 9,9,9^{n},9^{n},9^{n},9^{n+1}\text{-headheayl-} (SCI) & (CA DOBEC NAME) \end{array}$ 

PAGE 1-B

OS.CITING REF COUNT: 30 THERE ARE 30 CAPLUS RECORDS THAT CITE THIS RECORD (30 CITINGS)

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RECORD 10 CAP
LIS ANSWER 74 OF 77 CAPLUS COPYRIGHT 2010 ACS on STN
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102:394731
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Title Mikhold dolgn of Buzene-based polymers and olgomers for organic light-emitting diodus
Authoritisms.
Las, S. H., Thereit, T.

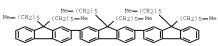
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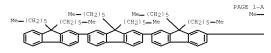
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Chantcal or Trads Name

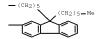


## CAS Registry Number 264925-43-1 CAPUIS

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PAGE 1-B



OS.CITING PEF COUNT: 54 THERE ARE 54 CAPCUS PERCORDS THAT CITE THIS PROCESO (55 CITINGS)

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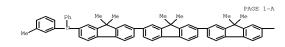
Author/Inventor Nakatsuka, Masakatsu, Kitamoto, Noriko Pateril Assignee/Cosposate Source Misui Chemicals Inc., Japan

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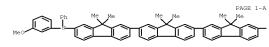
CAS Registry Number 239476-24-5 CAPUIS

Chemical or Trade Name [2,217,21-Tex-94-fiborane]-7,711-diamine, 9,9,91,911,911-Pexamethyl-N7,N711-bix(3-methylphenyl)-N7,N711-diphenyl-(CA\_IDGEX\_MAMM)



CAS Registry Number 239476-25-6 CAPCUS

Chemical or Twade Name  $[2,2^{\circ},7^{\circ},9^{\circ}]$  "Tar-90-flavorene]=7,7^{\circ}-diamins. N,N'-bia (3-methoxythery1)=9,9,9^{\circ},9^{\circ},9^{\circ}-hexamethy1-N,N'-diphery1-(SCI)=(CA-INDEX-MMCI)



PAGE 1-B

PAGE 1-B

CAS Ragistry Number 239476-26-7 CAPLUS

Chemical or Trade Name [2,2:71,2"-Tex-98-fisureme; -7,7"-dismins, 9,9,9"-,9"-texamely-fisureme; -7,7"-dismins, 9,9,9"-,9"-texamely-fisureme; -8,8,8,8,8,8,8"-texamely-fisureme; -9,9,9"-,9"-bis(phanylmathyl)-(SCI) (CA.INDEX.NAM))

PAGE 1-A

PAGE 1-B



OS.CITING REP COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

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Miller R.D., Wassers C.S., Wassers C.S.

Source
MOLC S&T, Section B: Nonlinear Optics (1999) ), 20(1-4), 269-295 CODEN: MOLCEB; ISSN: 1059-7268
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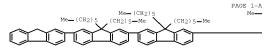
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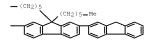
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CAS Registry Number 226726-10-9 CAPUIS

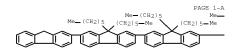
Chemical or Trade Name
2,2':0',2':0',2':0',2'':0',2'''\*Qrinque=98-Eluorens,
3',9',9'',9'',9''',9'''-harahaxyl- (SCI) (CA INGEX NAME)





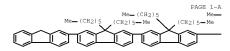
CAS Registry Number 226726-11-0 CAPUIS

Chemical or Trade Name
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3',9',9'',9'',9''',9''',9''''-octahaxyl- (9CI) (CA INDEX NAME)

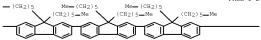


PAGE 1-B

CAS Registry Number 226726-12-1 CAPLUS



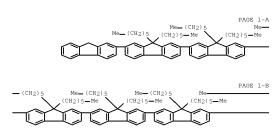
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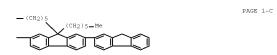


PAGE 1-C

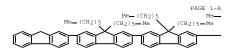


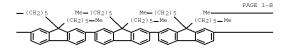
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CAS Registry Number 100652-07-1 CAPCUS

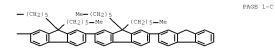
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PAGE 1-B

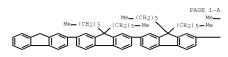
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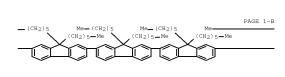
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CAS Registry Number 226726-15-4 CAPLUS





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PAGE 1-D



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